VOLUME 32 · GENERAL INDEX

Abdominal distension, in female patients with irritable bowel syndrome, exploration of possible mechanisms, **662**
ABE S *see* CHANG Y-C *et al*
ABH and Lewis^b blood group antigens, type 1 chain, regulation of oncodevelopmental expression in human colon by alpha-2-L-fucosylation, **287**
Acetate uptake by intestinal brush border membrane vesicles, **383**
Acetohydroxamic acid in *Helicobacter pylori* urease inhibition, effect on serum gastrin, **866**
Acid-pepsin secretion, influence on gastric emptying of solids, studies with cimetidine, **1295**
Acute liver failure
  and liver regeneration, **S92**
  review, **S86**
ADAMI H-O *see* SAMUELSSON S-M *et al*
ADAMS PC, GHENT CN, GRANT DR, FREI JV, and WALL WJ: Transplantation of a donor liver with haemochromatosis: evidence against an inherited intrahepatic defect (*case report*), **1082**
Adenocarcinoma in Barrett's oesophagus, only patients with dysplasia progress to, **1441**
Adenoma of ampulla of Vater, putative precancerous lesion, **1558**
Adenomatous polyps, colonic fermentation of dietary fibre to short chain fatty acids, **923**
Adenovirus 12 infection, persistent, involvement in coeliac disease, search for viral DNA using polymerase chain reaction, **1114**
Adenylate cyclase, duodenal, calmodulin independence, **1308**
Adhesion, bacterial, and *Helicobacter pylori* (*letter*), **111**
Adrenaline and Nd:YAG laser photocoagulation in endoscopic treatment for bleeding peptic ulcers, **1100**
AH-KION S *see* McNULTY J *et al*
AHLBERG J *see* SAHLIN S *et al*
AHRENSTEDT O, KNUTSON F, KNUTSON L, DROG M, SJOBERG O and HALLGREN R: Cell recovery during segmental intestinal perfusion in healthy subjects and patients with Crohn's disease, **170**
AIDS
  and acute upper gastrointestinal bleeding, relatively uncommon condition associated with reduced survival, **987**
  and oesophagography (*letter*), **340**
AKAHOSHI K, MISAWA T, FUJISHIMA H, CHIJIIWA Y, MARUOKA A, OHKUBO A and NAWATA H: Preoperative evaluation of gastric cancer by endoscopic ultrasound, **479**
AKGUN N *see* OZSOYLU S *et al*
AKOSA AB *see* DESA LA *et al*: SUNDARESAN M *et al*
AL JUMAILI B, *see* AL MARDINI H *et al*
AL MARDINI H, AL JUMAILI B, RECORD CO, and BURKE D: Effect of protein and lactulose on the production of gamma-aminobutyric acid by faecal *Escherichia coli*, **1007**
  see also MITCHISON HC *et al*; ZAITOUN AM *et al*
ALAFUZOFF I *see* VERESS B *et al*
ALBERTI A *see* FATTOVICH G *et al*: LAU JYN *et al*
Alcohol consumption, and colorectal adenomatous polyps, **70**
Alcoholic cirrhosis, tobacco as risk factor, **1392**
Alcoholic liver disease, **S97**
Alcoholic pancreatitis, alpha1 antitrypsin phenotypes, **945**
Aldosterone, and jejunal permeability to water and electrolytes, in chronic intrahepatic hypertension, **640**
ALEXANDER B *see* MATHIE RT *et al*
ALEXANDER D *see* BANKS RE *et al*
ALEXANDER GJM *see* LAU JYN *et al*
Alginic acid and cimetidine combined, in improved treatment of oesophageal reflux disease (*special report*), **819**
Alimentary tract lipomas, role of computed tomography, endoscopy, and echoendoscopy in management (*letter*), **112**
ALISON MR *see* WATANAPA P *et al*
Alkaline reflux oesophagitis (*leading article*), **1090**
ALLAN RN *see* CURRAN FT *et al*
ALLARDYCE R *see* MOONEY C *et al*
ALLISON MC: Long-term maintenance therapy with sucralfate (*letter*), **723**
  FULLARTON GM, BROWN IL, CREAN GP and McCOLL KEL: Enhanced gastric mucosal haemostasis after upper gastrointestinal haemorrhage, **735**
  and VALLANCE R: Prevalence of proximal faecal stasis in active ulcerative colitis, **179**
ALPERT E *see* SUTHERLAND L *et al*
Alpha1 antitrypsin phenotypes, and alcoholic pancreatitis, **945**
Alpha2 macroglobulin state in acute pancreatitis, **430**
Alphafetoprotein producing early gastric cancer with liver metastasis (*case report*), **542**
ALVISI V *see* CASELLI M and ALVISI V
AMBROGIO G *see* D'AGOSTINO L *et al*
Ambulatory 23 hour recording of intraoesophageal pressures, **1270**
Amenorrhoea, in women with non-alcoholic chronic liver disease, **202**
5-Aminosalicylic acid
  effect on rectal biopsy morphometry, ulcerative colitis, **183**
  in inhibition of red cell membrane lipid peroxidation, **1156**
  potent inhibitor of interleukin 1 beta, organ culture of colonic biopsy specimens, inflammatory bowel disease, **50**
  as rectal enema in active ulcerative colitis, optimum dosage, **929**
Ammonium concentration, gastric mucosa, *Helicobacter pylori* infection, **973**
AMOUYAL G *see* MOSNIER JF *et al*
Ampulla of Vater, adenoma, putative precancerous lesion, **1558**
Anal cancers, and human papillomavirus type 16 DNA, six different countries, **674**
Anal dilatation, reflex, effect of parting the buttocks on anal function in normal subjects and patients with anorectal and spinal disease, **670**
Anal manometry and electromyography, external anal sphincter, relation between, **1031**
Anaphylactoid shock, acute colorectal ischaemia after (*case report*), **443**
ANDERSEN LI *see* BOESBY S *et al*
ANDERSON JV *see* PANOS MZ *et al*
ANDREWS J *see* GIBSON P *et al*
Androgen associated hepatocellular carcinoma with an aggressive course (*case report*), **1084**
ANGELIN B *see* EUSUFZAI S *et al*: SAHLIN S *et al*
Angiodysplasia, and ileal carcinoid (*case report*), **1426**
Anismus, managed by biofeedback, **1175**
Ankylosing spondylitis, is increased intestinal permeability primary lesion or drug effect?, **1470**
Anorectal varices, frequency in cirrhotic and non-cirrhotic portal hypertension, **309**
Antacids, radiolabelled, two, gastric emptying, **147**
alpha1-Antitrypsin, faecal, immunoblot analysis, in Crohn's disease, **496**
Antral gastritis, in *Helicobacter pylori* associated hypergastrinaemia, **1286**
Appendicitis of food starch origin (*case report*), **718**
APPLETON GVN, OWEN RW, WHEELER EE, CHALLACOMBE DN, and WILLIAMSON RCN: Effect of dietary calcium on the colonic luminal environment, **1374**
  WHEELER EE, CHALLACOMBE DN, and WILLIAMSON RCN: Validation of organ culture in colonic adaptation to surgical manipulation, **1027**
Arachidonic acid
  cell membrane, increased, in experimental colorectal tumours, **413**
  increased, in human colorectal cancer, **278**
ARMSTRONG D *see* DUROUX Ph *et al*
ARNOLD JD and WILKINS WE: Non-steroidal anti-inflammatory drug induced enteropathy (*letter*), **338**
ARORA A and TANDON RK: Medical treatment of bleeding peptic ulcer: old drugs, new regimens (*letter*), **1429**
ARRANZ E *see* O'MAHONY S *et al*
ARROYO V *see* WILKINSON SP *et al*
ARVIND AS *see* THILLAINAYAGAM AV *et al*
Ascites, and hepatorenal syndrome, pathogenesis, **S12**
Aspirin, and upper gastrointestinal bleeding, **730**
ATKINS E *see* MANTLE M *et al*: ATKINSON M *see* WATSON A and ATKINSON M
Atrial natriuretic factor
  pharmacological doses only affect intestinal ion transport, **1117**
  and renin-aldosterone, in paracetamol induced fulminant hepatic failure, **85**
  and water and electrolyte transport, jejunum, **635**
AUER GU *see* WEGER AR *et al*
AUFSES AH *see* SUGITA A *et al*
AURICCHIO S *see* MAYER M *et al*
AUSTIN S *see* WEAVER LT *et al*
Autoantibodies, serum and tissue, to colonic epithelium in ulcerative colitis, **163**: (*letter*), **1569**
Autoimmune chronic active hepatitis, in a family, **299**
Autoimmune enteropathy, response to cyclosporin A therapy (*case report*), **1421**
Avery Jones, Sir Francis
  at 80, an appreciation, **125**
  old student's memories (*letter*), **112**
AXELSON J, PERSSON P, GAGNEMO-PERSSON R, and HAKANSON R: Importance of the stomach in maintaining calcium homoeostasis in the rat, **1298**
AXON ATR *see* SOBALA GM *et al*
Azathioprine induced liver disease (*case report*), **715**

VOLUME 32 · GENERAL INDEX

Abdominal distension, in female patients with irritable bowel syndrome, exploration of possible mechanisms, **662**
ABE S *see* CHANG Y-C *et al*
ABH and Lewis^b blood group antigens, type 1 chain, regulation of oncodevelopmental expression in human colon by alpha-2-L-fucosylation, **287**
Acetate uptake by intestinal brush border membrane vesicles, **383**
Acetohydroxamic acid in *Helicobacter pylori* urease inhibition, effect on serum gastrin, **866**
Acid-pepsin secretion, influence on gastric emptying of solids, studies with cimetidine, **1295**
Acute liver failure
  and liver regeneration, **S92**
  review, **S86**
ADAMI H-O *see* SAMUELSSON S-M *et al*
ADAMS PC, GHENT CN, GRANT DR, FREI JV, and WALL WJ: Transplantation of a donor liver with haemochromatosis: evidence against an inherited intrahepatic defect (*case report*), **1082**
Adenocarcinoma in Barrett's oesophagus, only patients with dysplasia progress to, **1441**
Adenoma of ampulla of Vater, putative precancerous lesion, **1558**
Adenomatous polyps, colonic fermentation of dietary fibre to short chain fatty acids, **923**
Adenovirus 12 infection, persistent, involvement in coeliac disease, search for viral DNA using polymerase chain reaction, **1114**
Adenylate cyclase, duodenal, calmodulin independence, **1308**
Adhesion, bacterial, and *Helicobacter pylori* (*letter*), **111**
Adrenaline and Nd:YAG laser photocoagulation in endoscopic treatment for bleeding peptic ulcers, **1100**
AH-KION S *see* McNULTY J *et al*
AHLBERG J *see* SAHLIN S *et al*
AHRENSTEDT O, KNUTSON F, KNUTSON L, DROG M, SJOBERG O and HALLGREN R: Cell recovery during segmental intestinal perfusion in healthy subjects and patients with Crohn's disease, **170**
AIDS
  and acute upper gastrointestinal bleeding, relatively uncommon condition associated with reduced survival, **987**
  and oesophagography (*letter*), **340**
AKAHOSHI K, MISAWA T, FUJISHIMA H, CHIJIIWA Y, MARUOKA A, OHKUBO A and NAWATA H: Preoperative evaluation of gastric cancer by endoscopic ultrasound, **479**
AKGUN N *see* OZSOYLU S *et al*
AKOSA AB *see* DESA LA *et al*: SUNDARESAN M *et al*
AL JUMAILI B, *see* AL MARDINI H *et al*
AL MARDINI H, AL JUMAILI B, RECORD CO, and BURKE D: Effect of protein and lactulose on the production of gamma-aminobutyric acid by faecal *Escherichia coli*, **1007**
  see also MITCHISON HC *et al*; ZAITOUN AM *et al*
ALAFUZOFF I *see* VERESS B *et al*
ALBERTI A *see* FATTOVICH G *et al*: LAU JYN *et al*
Alcohol consumption, and colorectal adenomatous polyps, **70**
Alcoholic cirrhosis, tobacco as risk factor, **1392**
Alcoholic liver disease, **S97**
Alcoholic pancreatitis, alpha1 antitrypsin phenotypes, **945**
Aldosterone, and jejunal permeability to water and electrolytes, in chronic intrahepatic hypertension, **640**
ALEXANDER B *see* MATHIE RT *et al*
ALEXANDER D *see* BANKS RE *et al*
ALEXANDER GJM *see* LAU JYN *et al*
Alginic acid and cimetidine combined, in improved treatment of oesophageal reflux disease (*special report*), **819**
Alimentary tract lipomas, role of computed tomography, endoscopy, and echoendoscopy in management (*letter*), **112**
ALISON MR *see* WATANAPA P *et al*
Alkaline reflux oesophagitis (*leading article*), **1090**
ALLAN RN *see* CURRAN FT *et al*
ALLARDYCE R *see* MOONEY C *et al*
ALLISON MC: Long-term maintenance therapy with sucralfate (*letter*), **723**
  FULLARTON GM, BROWN IL, CREAN GP and McCOLL KEL: Enhanced gastric mucosal haemostasis after upper gastrointestinal haemorrhage, **735**
  and VALLANCE R: Prevalence of proximal faecal stasis in active ulcerative colitis, **179**
ALPERT E *see* SUTHERLAND L *et al*
Alpha1 antitrypsin phenotypes, and alcoholic pancreatitis, **945**
Alpha2 macroglobulin state in acute pancreatitis, **430**
Alphafetoprotein producing early gastric cancer with liver metastasis (*case report*), **542**
ALVISI V *see* CASELLI M and ALVISI V
AMBROGIO G *see* D'AGOSTINO L *et al*
Ambulatory 23 hour recording of intraoesophageal pressures, **1270**
Amenorrhoea, in women with non-alcoholic chronic liver disease, **202**
5-Aminosalicylic acid
  effect on rectal biopsy morphometry, ulcerative colitis, **183**
  in inhibition of red cell membrane lipid peroxidation, **1156**
  potent inhibitor of interleukin 1 beta, organ culture of colonic biopsy specimens, inflammatory bowel disease, **50**
  as rectal enema in active ulcerative colitis, optimum dosage, **929**
Ammonium concentration, gastric mucosa, *Helicobacter pylori* infection, **973**
AMOUYAL G *see* MOSNIER JF *et al*
Ampulla of Vater, adenoma, putative precancerous lesion, **1558**
Anal cancers, and human papillomavirus type 16 DNA, six different countries, **674**
Anal dilatation, reflex, effect of parting the buttocks on anal function in normal subjects and patients with anorectal and spinal disease, **670**
Anal manometry and electromyography, external anal sphincter, relation between, **1031**
Anaphylactoid shock, acute colorectal ischaemia after (*case report*), **443**
ANDERSEN LI *see* BOESBY S *et al*
ANDERSON JV *see* PANOS MZ *et al*
ANDREWS J *see* GIBSON P *et al*
Androgen associated hepatocellular carcinoma with an aggressive course (*case report*), **1084**
ANGELIN B *see* EUSUFZAI S *et al*: SAHLIN S *et al*
Angiodysplasia, and ileal carcinoid (*case report*), **1426**
Anismus, managed by biofeedback, **1175**
Ankylosing spondylitis, is increased intestinal permeability primary lesion or drug effect?, **1470**
Anorectal varices, frequency in cirrhotic and non-cirrhotic portal hypertension, **309**
Antacids, radiolabelled, two, gastric emptying, **147**
alpha1-Antitrypsin, faecal, immunoblot analysis, in Crohn's disease, **496**
Antral gastritis, in *Helicobacter pylori* associated hypergastrinaemia, **1286**
Appendicitis of food starch origin (*case report*), **718**
APPLETON GVN, OWEN RW, WHEELER EE, CHALLACOMBE DN, and WILLIAMSON RCN: Effect of dietary calcium on the colonic luminal environment, **1374**
  WHEELER EE, CHALLACOMBE DN, and WILLIAMSON RCN: Validation of organ culture in colonic adaptation to surgical manipulation, **1027**
Arachidonic acid
  cell membrane, increased, in experimental colorectal tumours, **413**
  increased, in human colorectal cancer, **278**
ARMSTRONG D *see* DUROUX Ph *et al*
ARNOLD JD and WILKINS WE: Non-steroidal anti-inflammatory drug induced enteropathy (*letter*), **338**
ARORA A and TANDON RK: Medical treatment of bleeding peptic ulcer: old drugs, new regimens (*letter*), **1429**
ARRANZ E *see* O'MAHONY S *et al*
ARROYO V *see* WILKINSON SP *et al*
ARVIND AS *see* THILLAINAYAGAM AV *et al*
Ascites, and hepatorenal syndrome, pathogenesis, **S12**
Aspirin, and upper gastrointestinal bleeding, **730**
ATKINS E *see* MANTLE M *et al*: ATKINSON M *see* WATSON A and ATKINSON M
Atrial natriuretic factor
  pharmacological doses only affect intestinal ion transport, **1117**
  and renin-aldosterone, in paracetamol induced fulminant hepatic failure, **85**
  and water and electrolyte transport, jejunum, **635**
AUER GU *see* WEGER AR *et al*
AUFSES AH *see* SUGITA A *et al*
AURICCHIO S *see* MAYER M *et al*
AUSTIN S *see* WEAVER LT *et al*
Autoantibodies, serum and tissue, to colonic epithelium in ulcerative colitis, **163**: (*letter*), **1569**
Autoimmune chronic active hepatitis, in a family, **299**
Autoimmune enteropathy, response to cyclosporin A therapy (*case report*), **1421**
Avery Jones, Sir Francis
  at 80, an appreciation, **125**
  old student's memories (*letter*), **112**
AXELSON J, PERSSON P, GAGNEMO-PERSSON R, and HAKANSON R: Importance of the stomach in maintaining calcium homoeostasis in the rat, **1298**
AXON ATR *see* SOBALA GM *et al*
Azathioprine induced liver disease (*case report*), **715**

BAAK LC, JANSEN JBMJ, BIEMOND I, and LAMERS CBHW: Weekend treatment with 20 and 40 mg omeprazole: effect on intragastric pH, fasting and postprandial serum gastrin, and serum pepsinogens, **977**

BABBS C, WARNES TW, TORRANCE HB and BALLARDIE FW: IgA nephropathy in non-cirrhotic portal hypertension (*case report*), **225**

Bacterial fermentation, effect of refined sugar, **367**

BACZAKO K *see* SCHOENBERG MH *et al*

BAFFA R *see* FARINATI F *et al*

BAGSHAW P *see* MOONEY C *et al*

BALL D *see* GOTLEY DC *et al*

BALLARDIE FW *see* BABBS C *et al*

BALSAMO V *see* CARROCCIO A *et al*

BALSITIS M *see* MANSELL PI *et al*

BANK S, GREENBERG RE and ZUCKER S; Ranitidine and non-steroidal anti-inflammatory drug (NSAID) associated gastric and duodenal ulcers (*letter*), **963**

BANKS RE, EVANS SW, ALEXANDER D, VAN LEUVEN F, WHICHER JT and McMAHON MJ: Alpha2 macroglobulin state in acute pancreatitis. Raised values of alpha2 macroglobulin-protease complexes in severe and mild attacks, **430**

BARBARA L *see* CAMPIERI M *et al*: GIOCHETTI P *et al*

BARBEZAT GO *see* BRUNNER J *et al*: LUBCKE R *et al*

BARBOSA AJA *see* QUEIROZ DMM *et al*

BARDHAN KD, NAESDAL J, BIANCHI PORRO G, PETRILLO M, LAZZARONI M, HINCHLIFFE RFC, THOMPSON M, MORRIS P, DALY MJ, CARROLL NJH, WALAN A and RIKNER L: Treatment of refractory peptic ulcer with omeprazole or continued H2 receptor antagonists: a controlled clinical trial, **435**

BARNETTE MS, BARONE FC, FOWLER PJ, GROUS M, PRICE WJ and ORMSBEE HS: Human lower oesophageal sphincter relaxation is associated with raised cyclic nucleotide content, **4**

BARON JH, LEE FI and DALY MJ: Omeprazole in gastric and duodenal ulcers (*letter reply*), **721**

see also LOGAN RPH *et al*; PLAYFORD RJ *et al*

BARONE FC *see* BARNETTE MS *et al*

BARR H, CHATLANI P, TRALAU CJ, MACROBERT AJ, BOULOS PB and BOWN SG: Local eradication of rat colon cancer with photodynamic therapy: correlation of distribution of photosensitiser with biological effects in normal and tumour tissue, **517**

Barrett's oesophagus, only patients with dysplasia progress to adenocarcinoma, **1441**

BARTHET M *see* BOURLIERE M *et al*

BARTON JR *see* O'MAHONY S *et al*: SRIVASTAVA ED *et al*

BASELGIA L *see* MEYER-WYSS B *et al*

BATT RM *see* HALL EJ and BATT RM

BATTEN JJ *see* PLAYFORD RJ *et al*

BAUER FE *see* MEYER B *et al*

BAUERFEIND P *see* DUROUX Ph *et al*

BEARDSHALL K *see* PLAYFORD RJ *et al*: WATANAPA P *et al*: WONG K *et al*

BEAUGERIE L, BURGER AJ, CADRANEL JF, LAMY P, GENDRE JP and LE QUINTREC Y: Modulation of orocaecal transit time by hypnosis, **393**

BECKETT GJ *see* HAYES PC *et al*

BEGER HG *see* SCHOENBERG MH *et al*

BEGLINGER C *see* MEYER B *et al*: MEYER-WYSS B *et al*: SIEBER C *et al*

BEJANGA BI *see* BILLA RF *et al*

BELAICHE J *see* DELWAIDE J *et al*

BELL GD, McCLOY RF, CHARLTON JE, CAMPBELL D, DENT NA, GEAR MWL, LOGAN RFA and SWAN CHJ: Recommendations for standards of sedation and patient monitoring during gastrointestinal endoscopy (*special report*), **823**

POWELL K, WEIL J, HARRISON G, BROOKES S and PROSSER S: 13C-urea breath test for *Helicobacter pylori* infection (*letter*), **551**

see also DANESHMEND TK *et al*

BELL PRF *see* NICHOLSON ML *et al*

BELLUZZI A *see* CAMPIERI M *et al*: GIONCHETTI P *et al*

BENHAMOU JP *see* BION E *et al*

BENINI L *see* CAVALLINI G and BENINI L

BENJAMIN IS *see* DESA LA *et al*

BENNETT JR *see* KAMBEROGLOU D *et al*: WALTON S and BENNETT JR

BERGER F *see* MION F *et al*

BERGIN A *see* SUN WM *et al*

BERHENNE HJ *see* LEE SH and BERHENNE HJ

BERK L, SCHALM SW, and HEIJTINK RA: Severe chronic active hepatitis (autoimmune type) mimicked by coinfection of hepatitis C and human immunodeficiency viruses (*case report*), **1198**

BERTHEZENE P *see* BOURLIERE M *et al*

BETZLER M *see* VON HERBAY A *et al*

BIANCHI PORRO G *see* BARDHAN KD *et al*: PACE F *et al*: PARENTE F *et al*

BIANCONE L, WISE LS and DAS KM: The presence in experimental animals of a colon specific Mr 40 000 protein(s) with relevance to ulcerative colitis, **504**

BIEMOND I *see* BAAK LC *et al*

BIGGART JD *see* CAMPBELL WJ *et al*

BIJMAN J *see* MEIJSSEN MAC *et al*

Bile acid
- diarrhoea, primary, without an ileal carrier defect, **500**
- excretion, faecal, inflammatory bowel disease, children, **1346**
- malabsorption, idiopathic, review, **1004**
- metabolism, effect of refined sugar, **367**
- treatment and nucleation time of gall bladder bile in gall stone patients, **1554**

Bile duct stones
- percutaneous and endoscopic extraction, T tube in situ, 10 year experience, **1040**
- retained, after Billroth II gastrectomy, extracorporeal shock wave lithotripsy and papillary dilatation via T tube (*case report*), **329**

Biliary obstruction, proximal malignant, palliation by endoscopic endoprosthesis insertion, **685**

Biliary stent exchange, endoscopic, wire guided balloon assisted, **1562**

Biliary-enteric drainage, in primary sclerosing cholangitis, improving, endoscopy, **1364**

BILLA RF, BIWOLE MS, JUIMO AG, BEJANGA BI and BLACKETT K: Gall stone disease in African patients with sickle cell anaemia: a preliminary report from Yaounde, Cameroon, **539**

BILLINGSLEY ML *see* McGARRITY TJ *et al*

BINNIE NR *see* KAWIMBE BM *et al*

Biofeedback, in management of outlet obstruction constipation (anismus), **1175**

BION E, BRENARD R, PARIENTE EA, LEBREC D, DEGOTT C, MAITRE F and BENHAMOU JP: Sinusoidal portal hypertension in hepatic amyloidosis (*case report*), **227**

Biotransformation enzymes in human intestine, critical low levels in colon, **408**

Bipolar electrocoagulation time, effect on vessel weld strength, **188**

BIRD GLA *see* THOMSON AD *et al*

BIRD NC *see* SCHACHLER R *et al*

BISBALLE S, ERIKSEN EF, MELSEN F, MOSEKILDE L, SORENSEN OH, and HESSOV I: Osteopenia and osteomalacia after gastrectomy: interrelations between biochemical markers of bone remodelling, vitamin D metabolites, and bone histomorphometry, **1303**

BIWOLE MS *see* BILLA RF *et al*

BJARNASON I, FEHILLY B, SMETHURST P, MENZIES IS and LEVI AJ: Importance of local *versus* systemic effects of non-steroidal anti-inflammatory drugs in increasing small intestinal permeability in man, **275**

and GUMPEL M: Non-steroidal anti-inflammatory drug induced enteropathy (*letter reply*), **338**

see also HAYLLAR J and BJARNASON I: TEAHON K *et al*

BLACK N *see* SCOTT EA and BLACK N

BLACKETT K *see* BILLA RF *et al*

BLAIR GE *see* MAHON J *et al*

Bleeding peptic ulcer, *see* Peptic ulcer, bleeding

Bleeding, upper gastrointestinal, *see* Upper gastrointestinal haemorrhage

BLENDIS LA *see* MacDOUGALL BRD *et al*

Blood flow, mesenteric, postprandial, regulation, cholinergic nervous reflex, evidence, **361**: (*letter*), **1428**

BLOOMFIELD R *see* SCHOLEFIELD JH *et al*

BLUM AL *see* DUROUX Ph *et al*

BODE S, HASSAGER C, GUDMAND-HOYER E, and CHRISTIANSEN C: Body composition and calcium metabolism in adult treated coeliac disease, **1342**

BODIAN C *see* SUGITA A *et al*

BODNER E *see* WEGER AR *et al*

Body composition and calcium metabolism, in adult treated coeliac disease, **1342**

Body posture, effect on incidence and mechanism of gastro-oesophageal reflux, **133**

BOEGE F and FISCHBACH W: Structural heterogeneity of faecal alpha1 antitrypsin shown by immunoblot analysis in patients with Crohn's disease, **496**

BOESBY S, WALLIN L, MYRHOJ T and ANDERSEN LI: Twelve hour overnight oesophageal pH monitoring in patients with reflux symptoms, **10**

BOIRIVANT M *see* FAIS S *et al*

BOLSOVER WJ *see* HALL MA *et al*

BOLTON R *see* ZAMAN A *et al*

BOMFORD AB, DYMOCK IW, and HAMILTON EBD: Genetic haemochromatosis, **S111**

BONAVIA IC *see* MCDONAGH JE *et al*

Bone disease after gastrectomy, **1303**

BONI P *see* GIONCHETTI P *et al*

BONIVER J *see* DELWAIDE J *et al*

BONNEN H *see* CLAUSEN MR *et al*

BONVOISIN S *see* MION F *et al*

Book Reviews:
- BEGER HG, BUCHLER M, DITSCHUNEIT H, MALFETHEINER P, eds: *Chronic pancreatitis*, 1990, **1088**

BEKER S: *Hepatology for the clinician. A problem-orientated approach*, 1989, **340**
BENNETT JR and HUNT RH, eds: *Therapeutic endoscopy and radiology of the gut* 2nd ed, 1990, **836**
BERK JE and HAUBRICH W, eds: *Gastrointestinal symptoms: clinical interpretation*, 1991, **1430**
BRET P, CUCHE C, SCHMUTZ G: *Radiology of the small intestine*, 1989, **340**
DE DOMBAL FT: *Diagnosis of acute abdominal pain*, 1990, **1087**
DOBELBOWER RR, ed: *Gastrointestinal cancer: radiation therapy*, 1990, **341**
DOBRILLA G, BARDHAN KD, and STEELE A, eds: *Non-responders in gastroenterology: causes and treatment*, 1991, **1571**
EASTWOOD GL, ed. *Premalignant conditions of the gastrointestinal tract*, 1990, **552**
FARTHING MJG, ed: *Balliere's clinical gastroenterology. Vol 4 No 3: virus infections of the gut and liver*, 1990, **835**
GITNICK G, ed: *Current gastroenterology*, 1990, **835**
GITNICK G, ed: *Current hepatology*, Vol 10, 1990, **458**
JENSEN DM, BRUNETAUD J-M, eds: *Medical laser endoscopy*, 1990, **1087**
JOHNSON LR, ed: *Gastrointestinal physiology*, 4th ed. 1991, **1571**
KIRSNER JB: *The development of American gastroenterology*, 1990, **340**
LEBENTHAL E and DUFFEY ME: *Textbook of secretory diarrhea*, 1990, **834**
LEV R: *Adenomatous polyps of the colon: pathobiological and clinical features*, 1990, **459**
McNULTY JG: *Interventional radiology of the gallbladder*, 1990, **1202**
MADZISELIMOVIC F, HERZOG B, BURGIN-WOLFF A, eds: *Inflammatory bowel disease and coeliac disease in children*, 1990, **458**
MALFERTHEINER P, DITSCHUNEIT H, eds. Helicobacter pylori, *gastritis and peptic ulcer*, 1990, **724**
MEYERS WC, SCOTT JONES R: Textbook of liver and biliary surgery, 1990, **459**
MORSON BC, DAWSON IMP, DAY DW, JASS JR, PRICE AB, WILLIAMS GT: *Morson and Dawson's gastrointestinal pathology*, 1990. **458**
NAJARIAN JS and DELANEY JP: *Progress in hepatic, biliary and pancreatic surgery*, 1991, **1570**
NICOL R: *The irritable bowel diet book*, 1990, **835**
POPPER H, SCHAFFNER F, eds: *Progress in liver diseases*, Vol IX, 1990, **341**
POWELL LW and PIPER DW, eds: *Fundamentals of gastroenterology with self-assessment workbook*, 1991, **1431**
SAIF LJ, THEIL KW, eds. *Viral diarrheas of man and animals*, 1989, **724**
SCARPIGNATO C and BIANCHI PORRO G, eds: *Clinical investigation of gastric function* (Frontiers of gastrointestinal research, Vol 17), 1990, **836**
STARZL TE, DEMETRIS AJ, eds. *Liver transplantation*, 1990, **723**
WHITEHEAD R, ed: *Mucosal biopsy of the gastrointestinal tract* 4th ed, 1990, **835**
WILKINS RA, NUNNERLEY HB, eds: *Imaging of the liver, pancreas and spleen*, 1990, **341**
BOOKER SV *see* GIARDIELLO FM *et al*
BORCHARD F *see* HEILMANN KL and BORCHARD F
BORHAN-MANESH F and FARNUM JB: Incidence of heterotopic gastric mucosa in the upper oesophagus, **968**
BORIES P *see* DUCLOS B *et al*
BORNHOFT G *see* STALLMACH A *et al*
BORTOLOTTI M *see* COCCIA G *et al*
BOTTAZZO GF *see* HILL SM *et al*
BOUCHIER IAD *see* HAYES PC *et al*
BOULOS PB *see* BARR H *et al*
BOURLIERE M, BARTHET M, BERTHEZENE P, DURBEC JP, and SARLES H: Is tobacco a risk factor for chronic pancreatitis and alcoholic cirrhosis?, **1392**
Bowel habit, effect of moderate exercise, **941**
see also Inflammatory bowel disease: Intestinal: Intestine: Rectal: Rectum: Small intestine
BOWES KL *see* FAMILONI BO *et al*
BOWN SG: Palliation of malignant dysphagia: surgery, radiotherapy, laser, intubation alone or in combination? (*leading article*), **841**
see also BARR H *et al*: LOIZOU LA and BOWN SG
BOYD D *see* FREIDIN N *et al*
BRAATVEDT GD, READ AE, CORRALL RJM, HALLIWELL M, and WELLS PNT: Postprandial mesenteric blood flow (*letter*), **1428**
BRADBEER J *see* REMEDIOS D *et al*
BRADDON FEM *see* HEATON KW *et al*
BRADLEY S *see* PREISIG R and BRADLEY S
BRAMLEY PN *see* ZAMAN A *et al*
Breath test, 13C-urea, for *Helicobacter pylori* infection (*letter*), **551**
BRENARD R *see* BION E *et al*
BRENNA E *see* WALDUM HL *et al*
BRENNAN EA *see* WATSON AJM *et al*
BRIGNOLA C *see* CAMPIERI M *et al*: GIONCHETTI P *et al*
BRITISH ASSOCIATION FOR THE STUDY OF THE LIVER: 1991 Spring Meeting, London, 21-22 February, abstracts, **A837**
BRITISH SOCIETY OF GASTROENTEROLOGY
Presidential review of year's activity, 1989-90, **454**
Working Party of the Clinical Services Committee: report, **95**
1991 Spring Meeting, Manchester, April 1991, abstracts, **A553**
BROLLO L *see* FATTOVICH G *et al*
Brooke, Bryan: a portrait, **233**
BROOKES S *see* BELL GD *et al*
BROSTROM O, KARLEN P and LOFBERG R: Screening for colorectal cancer in ulcerative colitis (*letter*), **721**
see also LOFBERG R *et al*
BROWN BL *see* HITCHIN BW *et al*
BROWN IL *see* ALLISON MC *et al*
BROWN NJ *see* RICHARDSON A *et al*
BRUNNER J, LUBCKE R, BARBEZAT GO, YANDLE TG and ESPINER EA: Atrial natriuretic peptide and water and electrolyte transport in the human jejunum, **635**
see also LUBCKE R *et al*
Brush border
enzymes, intestinal, and mitotic activity, effects of urogastrone-epidermal growth factor, **994**
lactase activity, decline, effect of lactation, neonatal pigs, **386**
membrane vesicles, acetate uptake, **383**
BUCKELS JAC *see* O'CONNOR HJ *et al*
BUENO L *see* THEODOROU V *et al*
BURET A *see* MANTLE M *et al*
BURGER AJ *see* BEAUGERIE L *et al*
BURHENNE HJ *see* LEE SH and BURHENNE HJ
BURKE D *see* AL MARDINI H *et al*
BURMAN P, MARDH S, LOOF L, NAESDAL J and KARLSSON FA: Peptic ulcer disease: absence of antibodies stimulating the histamine sensitive adenylate cyclase of gastric mucosal cells, **620**
BURR ML *see* SITAS F *et al*
BURROUGHS AK *see* McCORMICK PA *et al*
BUTLER J *see* CUNDY TF *et al*

13C-urea breath test, for *Helicobacter pylori* infection (*letter*), **551**
Caco-2 cells, differentiated, binding of kidney bean isolectins to, cellular metabolism, **196**
CADRANEL JF *see* BEAUGERIE L *et al*
Caeruloplasmin values, undetectable, in autoimmune chronic active hepatitis (*case report*), **549**
Caffeine clearance by enzyme multiplied immunoassay technique, simple, inexpensive, and useful indicator of liver function, **681**
CAIRNS SR, *see* NUSSINSON E *et al*: POLYDOROU AA *et al*
CALABUIG R *see* MONES J *et al*
CALAM J *see* PLAYFORD RJ *et al*: SUTTERS M *et al*: WATANAPA P *et al*: WONG K *et al*
Calcium
dietary, effect on colonic luminal environment, **1374**
homoeostasis, maintenance, importance of stomach, rat, **1298**
metabolism and body composition, in adult treated coeliac disease, **1342**
Calmodulin
binding proteins throughout gastrointestinal tract, interspecies comparison, adenoma and adenocarcinoma compared, **1121**
independence of human duodenal adenylate cyclase, **1308**
CALNE R: Liver transplantation: foreword, **S79**
CAMPBELL D *see* BELL GD *et al*
CAMPBELL FC *see* WALDRON B *et al*
CAMPBELL WJ, IRWIN ST, and BIGGART JD: Benign lymphangioma of the jejunal mesentery: an unusual cause of small bowel obstruction, **1568**
CAMPIERI M, GIONCHETTI P, BELLUZZI A, BRIGNOLA C, TAMPIERI M, IANNONE P, MIGLIOLI M and BARBARA L: Optimum dosage of 5-aminosalicylic acid as rectal enemas in patients with active ulcerative colitis, **929**
see also GIONCHETTI P *et al*
Cancer family syndrome, prevalence, **509**
Cancer occurrence in cohort of patients surgically treated for peptic ulcer, **740**
Candidacidal activity of Crohn's disease neutrophils, **55**
CAPOBIANCHI MR *see* FAIS S *et al*
Carbohydrate, and duodenal ulcer (*letter*), **339**
13Carbon urea breath test, simplified single sample, for *Helicobacter pylori*, comparison with histology, culture, and ELISA serology, **1461**
CARDIN F *see* McCORMICK PA *et al*
CARMICHAEL DJS *see* SUTTERS M *et al*
CAROLI A, DEL FAVERO G and DI MARIO F: Lipid pattern and plasma insulin in diabetics with gall stones (*letter*), **339**
CARPANI DE KASKI M, PETERS AM, LAVENDER JP and HODGSON HJF: Fluticasone propionate in Crohn's disease, **657**
CARRELLO S *see* JEFFREY GP *et al*
CARRIO I *see* MONES J *et al*
CARROCCIO A, IACONO G, MONTALTO G, CAVATAIO F, DI MARCO C, BALSAMO V and NOTARBARTOLO A: Exocrine pancreatic function in children with coeliac disease before and after a gluten free diet, **796**
CARROLL NJH *see* BARDHAN KD *et al*

CARVALHO AST *see* QUEIROZ DMM *et al*
CASELLI M and ALVISI V: Bacterial adhesion and *Helicobacter pylori* (*letter*), **111**
Castleman's disease, obscure anaemia and hepatic dysfunction in (*letter*), **112**
CAVALLINI G and BENINI L: Limitations of faecal chymotrypsin as a screening test (*letter*), **1570**
CAVATAIO F *see* CARROCCIO A *et al*
CD4 and CD8 coexpression on T cells, in inflammatory bowel disase, **918**
CEDERLUND T *see* EUSUFZAI S *et al*
Cell recovery during segmental intestinal perfusion, in healthy subjects and in Crohn's disease, **170**
CELLE G *see* SAVARINO V *et al*
Cereal chemistry, molecular biology, and toxicity in coeliac disease (*progress report*), **1055**
CERNUSCHI M *see* PARENTE F *et al*
CHADWICK V *see* MOONEY C *et al*
CHALLACOMBE DN and WHEELER EE: Trophic action of epidermal growth factor on human duodenal mucosa cultured in vitro, **991**
see also APPLETON GVN *et al*
CHANG Y-C, NAGASUE N, ABE S, KOHNO H, KUMAR DD and NAKAMURA T: alpha Fetoprotein producing early gastric cancer with liver metastasis: report of three cases (*case report*), **542**
CHAPMAN B *see* MOONEY C *et al*
CHAPMAN RW: Aetiology and natural history of primary sclerosing cholangitis - a decade of progress? (*leading article*), **1433**
CHAR S and FARTHING MJG: DNA probes for diagnosis of intestinal infection (leading article), **1**
CHARD T *see* KAMM MA *et al*
CHARLTON JE *see* BELL GD *et al*
CHATLANI P *see* BARR H *et al*
CHATTERTON BE *see* COLLINS PJ *et al*
CHAWLA Y and DILAWARI JB: Anorectal varices - their frequency in cirrhotic and non-cirrhotic portal hypertension, **309**
CHEN BW *see* HUI WM *et al*
CHEVALLIER M *see* MION F *et al*
CHEW CN, NOLAN DJ, and JEWELL DP: Small bowel gas in severe ulcerative colitis, **1535**
CHIJIWA Y *see* AKAHOSHI K *et al*
CHITTAJALLU RS, DORRIAN CA, NEITHERCUT WD, DAHILL S, and McCOLL KEL: Is *Helicobacter pylori* associated hypergastrinaemia due to the bacterium's urease activity or the antral gastritis?, **1286**
NEITHERCUT WD, MACDONALD AMI and MCCOLL KEL: Effect of increasing *Helicobacter pylori* ammonia production by urea infusion on plasma gastrin concentrations, **21**
see also EL NUJUMI AM *et al*: NEITHERCUT WD *et al*
CHO CH *see* HUI WM *et al*
Cholangiocarcinoma, predicting, in primary sclerosing cholangitis before transplantation, **1369**
Cholangitis, primary sclerosing, gall bladder lesion in, histological and immunohistochemical study, **424**
Cholecystectomy, appropriateness, consensus panel approach (*special report*), **1066**
Cholecystokinin antagonist inhibition, and pancreatobiliary diversion, **1049**
Cholecystolithotripsy, for gall bladder clearance, persistence of symptoms after, **536**: (*letter*), **1430**
Cholesterol gall stones, dissolution using methylterbutyl ether, safe effective treatment, **1550**
Cholinergic nervous reflex, evidence in regulation of postprandial mesenteric blood flow, **361**: (*letter*), **1428**
CHRISTIANSEN C *see* BODE S *et al*
CHRISTIANSEN J *see* SORENSEN M *et al*
CHRISTL SU *see* FLORIN T *et al*
Chronic active hepatitis, **S63**
CHUA A *see* McNULTY J *et al*
Chymotrypsin, faecal, limitations as screening test for chronic pancreatitis, **321**: (*letter*), **1570**
CICLITIRA PJ *see* HALL MA *et al*: STURGESS RP *et al*
Cimetidine
and alginic acid combined, in improved treatment of oesophageal reflux disease (*special report*), **819**
and influence of acid-pepsin secretion on gastric emptying of solids, **1295**
Cirrhosis
plasma beta endorphin, **306**
primary biliary, *see* Primary biliary cirrhosis
septicaemia after colonoscopy (*case report*), **450**
zinc deficiency (*letter*), **458**
Cisapride
effect on delayed gastric emptying, in gastro-oesophageal reflux disease, **470**
in healing and relapse prevention of reflux oesophagitis, **1280**
CLARE N *see* KAWIMBE BM *et al*
CLARK R and GOY J: Sedation for upper gastrointestinal endoscopy (*letter*), **832**
CLARKE D *see* SACKIER JM *et al*
CLARKE IN *see* McGARITY BH *et al*
CLAUSEN H *see* ORNTOFT TF *et al*
CLAUSEN MR, BONNEN J and MORTENSEN PB: Colonic fermentation of dietary fibre to short chain fatty acids in patients with adenomatous polyps and colonic cancer, **923**
CLAYTON HA *see* NICHOLSON ML *et al*
Clostridium difficile toxin A induces specific antisecretory factor which protects against intestinal mucosal damage, **791**
COATES PJ *see* TANAKA K *et al*
COBDEN I *see* ZAITOUN AM *et al*
COCCIA G, BORTOLOTTI M, MICHETTI P and DODERO M: Prospective clinical and manometric study comparing pneumatic dilatation and sublingual nifedipine in the treatment of oesophageal achalasia, **604**
Coeliac disease
cereal chemistry, molecular biology, and toxicity (*progress report*), **1055**
children, exocrine pancreatic function, before and after gluten free diet, **796**
compliance with gluten free diet, adolescents, **881**
dissociation between systemic and mucosal humoral immune responses, **29**
and duodenal malignancy, treatment and diet (*case report*), **90**
latent, increase in gamma/delta T cell receptor bearing lymphocytes in normal small bowel mucosa, (*case report*), **1412**
persistent adenovirus 12 infection involvement, search for viral DNA using polymerase chain reaction, **1114**
placental ferritin, stage, origin, and role in malignancy, **999**
plasma precursor amino acids of central nervous system monoamines, **1478**
treated, body composition and calcium metabolism, adult, **1342**
untreated, fluticasone propionate, pilot study, **260**
COLE TJ *see* WEAVER LT *et al*
COLECCHIA A *see* GANDOLFI L *et al*
Colectomy for idiopathic megarectum and megacolon, **1538**
COLIN-JONES DG: Improving the standards of endoscopy (*leading article*), **725**
Colitis
and autoimmune enteropathy, possibility of generalised autoimmune gut disorder, **36**
diversion, histological features in colon and rectum after defunctioning colostomy, **1020**
and free radicals (*letter*), **232**
microscopic (*leading article*), **234**
Collagen synthesis, postoperative changes, intestinal anastomoses, rat, **1482**
Collagenous colitis, and ulcerative colitis, metachronous occurrence (*case report*), **447**
COLLIN P *see* MAKI M *et al*
COLLINS BJ *see* KEE F and COLLINS BJ: KEE F *et al*
COLLINS PJ, HOUGHTON LA, READ NW, HOROWITZ M, CHATTERTON BE, HEDDLE R and DENT J: Role of the proximal and distal stomach in mixed solid and liquid meal emptying, **615**
see also MADDERN GJ *et al*
Colloidal bismuth subcitrate, effect on age related gastric lesions, rat, **355**
Colon (colonic)
adaptation to surgical manipulation, validation of organ culture, **1027**
cancer, colonic fermentation of dietary fibre to short chain fatty acids, **923**
local eradication with photodynamic therapy, rat, **517**
carcinoma, differentiated, kidney bean isolectin binding to Caco-2 cells, cellular metabolism, **196**
epithelial cells, and cell associated urokinase activity, in health and disease, **191**
luminal environment, effect of dietary calcium, **1374**
mucosal biopsy specimens in chronic inflammatory bowel disease, histopathology, **1514**
permeability, possible effect of NSAIDs, **66**
rat, segmental variability of glucocorticoid induced electrolyte transport, **936**
Colonoscopy, septicaemia after, in cirrhosis (*case report*), **450**
Colorectal
adenomatous polyps, and alcohol consumption, **70**
cancer, distribution of Ha-ras alleles, **1508**
familial non-polyposis, prognosis, **513**
and increased arachidonic acid and docosahexaenoic acid, **278**
and postprandial hypergastrinaemia, **1352**
in ulcerative colitis, influence of anatomical extent and age at onset on colitis-cancer interval, **167**
screening (*letter*), **721**
carcinoma, different laminin binding proteins in basolateral cell membranes, **282**
dysplasia, and longstanding ulcerative colitis, **1521**
ischaemia, acute, after anaphylactoid shock (*case report*), **443**
malignancies, endoscopic fine needle aspiration cytology in diagnosis, **745**
polyps, malignant, venous invasion and successful treatment by endoscopic polypectomy, **774**
tumours, experimental, increased cell membrane arachidonic acid, **413**
Common bile duct obstruction, chronic periaortitis presenting as (*case report*), **713**
Computed tomography, role in management of alimentary tract lipomas (*letter*), **112**
Congestive gastropathy and *Helicobacter pylori*, endoscopy and morphometry, **351**

Constipation
outlet obstruction, managed by biofeedback, **1175**
severe idiopathic, steroid hormone abnormalities, women, **80**
COOK RS *see* THILLAINAYAGAM AV *et al*
COOPER BT *see* HALL MJ *et al*: WOOD GM *et al*
COOPER MJ *see* GOTLEY DC *et al*
COOPERATIVE OESOPHAGEAL GROUP: Combination of cimetidine and alginic acid: an improvement in the treatment of oesophageal reflux disease (*special report*), **819**
COPE GF, WYATT JI, PINDER IF, LEE PN, HEATLEY RV and KELLEHER J: Alcohol consumption in patients with colorectal adenomatous polyps, **70**
COPPEN M *see* REMEDIOS D *et al*
Copper/zinc proteins with antioxidant function, in inflammatory bowel disease, decrease, **1146**
COREY M *see* GRIFFITHS AM *et al*
CORRALL RJM *see* BRAATVEDT GD *et al*
Correction, **460**, **552**
COSNES J *see* RIGAUD D *et al*
COTE KR *see* FAMILONI BO *et al*
COTTON PB: Palliation of malignant obstructive jaundice - surgery or stent? (*letter*), **833**
see also POLYDOROU AA *et al*
COURTNEY MG *see* MacMAHON M *et al*
COURTOY R *see* DELWAIDE J *et al*
COVENEY E *see* GERAGHTY JG *et al*
51Cr-EDTA, abnormal intestinal permeability, **749**
CRABTREE JE, SHALLCROSS RM, HEATLEY RV, and WYATT JI: Mucosal tumour necrosis factor alpha and interleukin-6 in patients with *Helicobacter pylori* associated gastritis, **1473**
see also SOBALA GM *et al*
CREAMER B *see* JENKINS AP *et al*: TRAVIS S *et al*
CREAN GP *see* ALLISON MC *et al*
Crohn's disease
antibodies to trypsin sensitive pancreatic antigen, **1192**
carcinoma and DNA aneuploidy, **900**
cell recovery during segmental intestinal perfusion, **170**
in childhood, factors influencing postoperative recurrence, **491**
distribution of Ha-ras alleles, **1508**
DNA amplification and hybridisation using chlamydial plasmid probe, **1011**
during pregnancy, elemental diet in management (*case report*), **1079**
effects of ileal resection on biliary lipids and bile acid composition, **1488**
elemental *v* polymeric diet, **1492**
enteral feeding as sole treatment (*clinical trial*), **702**
faecal alpha1 antitrypsin immunoblot analysis, **496**
flow cytometric analysis of peripheral blood lymphocytes, **779**
fluticasone propionate, **657**
lamina propria T cells, interleukin-2 receptor expression (*letter*), **456**
metronidazole, double blind, placebo controlled trial (*clinical trial*), **1071**
and *Mycobacterium paratuberculosis*, **43**
neutrophils, candidacidal activity, **55**
superoxide production, **399**
postheparin plasma diamine oxidase values in follow up, **932**
spontaneous release of interferon b by intestinal lamina propria lymphocytes, **403**
CRUMP BJ *see* JENKINS AP *et al*
Crypt cell production rate measurement by organ culture and colonic adaptation, **1027**
CULLEN PT *see* WLADRON B *et al*
CUMMINGS JH *see* FLORIN T *et al*
CUNDY TF, BUTLER J, POPE RM, SAGGAR-MALIK AK, WHEELER MJ and WILLIAMS R: Amenorrhoea in women with non-alcoholic chronic liver disease, **202**
CUNHA-MELO JR *see* QUEIROZ DMM *et al*
CUNNINGHAM KM, DALY J, HOROWITZ M and READ NW: Gastrointestinal adaptation to diets of differing fat composition in human volunteers, **483**
HOROWITZ M, RIDDELL PS, MADDERN GJ, MYERS JC, HOLLOWAY RH, WISHART JM, and JAMIESON GG: Relations among autonomic nerve dysfunction, oesophageal motility, and gastric emptying in gastro-oesophageal reflux disease, **1436**
CURRAN FT, ALLAN RN and KEIGHLEY MRB: Superoxide production by Crohn's disease neutrophils, **399**
YOUNGS DJ, ALLAN RN and KEIGHLEY MRB: Candidacidal activity of Crohn's disease neutrophils, **55**
CV 3611, effect on acute pancreatitis development, mice, **528**
Cyclic nucleotide content, raised, and lower oesophageal sphincter relaxation, **4**
Cyclosporin A therapy
combined with allograft irradiation, in total orthotopic allogeneic small bowel transplantation, rats, **654**
response of autoimmune enteropathy (*case report*), **1421**
Cystic disease of liver and biliary tract, **S116**
Cystic fibrosis
failure of cholinergic stimulation to induce secretory response, **1035**
intracellular mediators measured in enterocytes from jejunal biopsy specimens, **893**
Cytodiagnosis, in management of extrahepatic biliary stricture, **1188**
Cytomegalovirus vasculitis, causing small bowel haemorrhage (*case report*), **1419**

D'ADAMO G, *see* D'AGOSTINO L *et al*
D'AGOSTINO L, PIGNATA S, DANIELE B, VISCONTI M, FERRARO C, D'ADAMO G, TRITTO G, AMBROGIO G and MAZZACCA G: Postheparin plasma diamine oxidase values in the follow up of patients with small bowel Crohn's disease, **932**
DAHILL S *see* CHITTAJALLU RS *et al*
DAKKAK M *see* KAMBEROGLOU D *et al*
DALY J *see* CUNNINGHAM KM *et al*
DALY MJ *see* BARDHAN KD *et al*: BARON JH *et al*
DANESH BJ *see* TSAI HH *et al*
DANESHMEND TK, BELL GD and LOGAN RFA: Sedation for upper gastrointestinal endoscopy: results of a nationwide survey, **12**: letter, **832**
see also LOGAN RFA and DANESHMEND TK
DANIEL J *see* RAOUF AH *et al*
DANIELE B *see* D'AGOSTINO L *et al*
DANIELSSON A, NYHLIN HJ, PERSSON H, STENDAHL U, STENLING R, and SUHR O: Chronic diarrhoea after radiotherapy for gynaecological cancer: occurrence and aetiology, **1180**
DAS KM: Serum and tissue autoantibodies to colonic epithelium in ulcerative colitis (*letter*), **1569**
DAS KM *see also* BIANCONE L *et al*
DAVIDSON GP, DENT J and WILLING J: Monitoring of upper oesophageal sphincter pressure in children, **607**
DAVIES DR *see* TRAVIS S *et al*
DAVIS M *see* TREDGER JM and DAVIS M
Day units, recovery from sedation (*letter*), **551**
DAYA B *see* RIEDEL L *et al*
DE BRUIN PAF *see* MULDER TPJ *et al*
DE BRUIN RWF *see* MEIJSSEN MAC *et al*: SAAT RE *et al*
DE CAESTECKER JS, JAZRAWI RP, PETRONI ML, and NORTHFIELD TC: Ursodeoxycholic acid in chronic liver disease (*progress report*), **1061**
DE CRAEMER D *see* ROELS F *et al*
DE FRIEND DJ, SAA-GANDI FW, HUMPHJREY CS and FOSTER DN: Symptomatic pancreatic heterotopia treated by local excision (*case report*), **332**
DE JONG AJL, SINGER MV, JANSEN JBMJ, NIEBEL W, ROVATI LC and LAMERS CBHW: Effect of the cholecystokinin-receptor antagonist lorglumide on pancreatic enzyme secretion stimulated by bombesin, food, and caerulein, giving similar plasma cholecystokinin concentrations in the dog, **215**
DE JONGE HR *see* MEIJSSEN MAC *et al*
DE ROOIJ FWM *see* VAN TILBURG AJP *et al*
DE SILVA HJ, JONES M, PRINCE C, KETTLEWELL M, MORTENSEN NJ, and JEWELL DP: Lymphocyte and macrophage subpopulations in pelvic ileal pouches, **1160**
MILLARD PR, KETTLEWELL M, MORTENSEN NJ, PRINCE C and JEWELL DP: Mucosal characteristics of pelvic ileal pouches, **61**
SOPER N, KETTLEWELL M, MORTENSEN N, and JEWELL DP: Effects of the faecal stream and stasis on the ileal pouch mucosa, **1166**
DECHELOTTE P and SCHWENK M: Conjugation of phenols in human colonocytes (*letter*), **963**
DEGOTT C *see* BION E *et al*
DEL FAVERO G *see* CAROLI A *et al*
DELBRIDGE AT *see* RICHARDSON A *et al*
DELWAIDE J, BELAICHE J, COURTOY R, VIVARIO M, LOUIS E, GAST P and BONIVER J: Ultrastructural demonstration of histamine in human enterochromaffin like cell granules (*letter*), **834**
DENNEBERG T *see* MAGNUSSON M *et al*
DENT J *see* COLLINS PJ *et al*: DAVIDSON GP *et al*: FRASER R *et al*
DENT NA *see* BELL GD *et al*
DEPEURSINGE C *see* DUROUX Ph *et al*
Dermatitis herpetiformis
HLA association accounted for by a *cis* or *trans*associated DQ heterodimer, **487**
small intestinal function and dietary status, **377**
DERUYTTERE M *see* TOUSSAINT J *et al*
DESA LA, AKOSA AB, LAZZARA S, DOMIZIO P, KRAUSZ T, and BENJAMIN IS: Cytodiagnosis in the management of extrahepatic biliary stricture, **1188**
DESCOS L *see* MION F *et al*
Desmopressin, effect on 'low sodium' diuresis and ileal loss in patients with ileostomies, **649**
DEVIS G *see* TOUSSAINT J *et al*
DEWANI K *see* ZARGAR SA *et al*
DHILLON AP *see* McCORMICK PA *et al*
DI LORENZO C, DOOLEY CP, and VALENZUELA JE: Role of fasting gastrointestinal motility in the variability of gastrointestinal transit time assessed by hydrogen breath test, **1127**

DI MARCO C *see* CARROCCIO A *et al*
DI MARCO P *see* FAIS S *et al*
DI MARIO F *see* CAROLI A *et al*: FARINATI F *et al*
Diabetics with gall stones, lipid pattern and plasma insulin (*letter*), **339**
Diamine oxidase, postheparin plasma, in follow up of Crohn's disase, **932**
DIANZANI F *see* FAIS S *et al*
Diarrhoea
  chronic, after radiotherapy for gynaecological cancer, **1180**
  life threatening, and enteropathogenic *Escherichia coli*, **154**
  persistent, prospecrive hospital based study, **787**
Diclofenac hepatitis, characteristics of liver injury, **1381**
Dietary factors associated with duodenal ulcer (*letter*), **456**
Dietary status and small intestinal function in dermatitis herpetiformis, **377**
Dilatation, pneumatic, and sublingual nifedipine compared, in oesophageal achalasia, **604**
DILAWARI JB *see* CHAWLA Y and DILAWARI JB
DILL S *see* LOGAN RPH *et al*: MEYER B *et al*
DINARI G, ZAHAVI I, MARCUS H, and MOROZ C: Placental ferritin in coeliac disease: relation to clinical stage, origin, and possible role in the pathogenesis of malignancy, **999**
DIPPOLD WG *see* KLINGEL R *et al*
District general hospital, provision of gastrointestinal endoscopy and related services (*special report*), **95**
Diversion colitis, histological features in colon and rectum after defunctioning colostomy, **1020**
DIXON ME *see* HESSEY SJ *et al*
DIXON MF *see* SOBALA GM *et al*
DNA
  amplification and hybridisation in Crohn's disease using a chlamydial plasmid probe, **1011**
  aneuploidy and carcinoma, in Crohn's disease, **900**
  encoding in persistent adenovirus 12 infection in coeliac disease, **1114**
  flow cytometry and immunohistology of neuroendocrine tumours of gastroenteropancreatic endocrine system, **949**
  hybridisation with fragment of insertion element IS900, in specific detection of *Mycobacterium paratuberculosis*, **395**
  measurement, quantitative nuclear, of fine needle aspirates of pancreatic cancer, **325**
  probes for diagnosis of intestinal infection (*leading article*), **1**
DOBSON PRM *see* HITCHIN BW *et al*
Docosahexaenoic acid, increased, in human colorectal cancer, **278**
DODERO M *see* COCCIA G *et al*
DOE WF *see* GIBSON PR *et al*
DOLL, SIR RICHARD: Sir Francis Avery Jones at eighty, **125**
DOMIZIO P *see* DESA LA *et al*
DONALDSON P *see* HODGES S *et al*
DONALDSON PT *see* EDDLESTON ALWF *et al*
DOOLEY CP *see* DI LORENZO C *et al*
DORRELL L *see* HILLIER K *et al*
DORRIAN CA *see* CHITTAJALLU RS *et al*: EL NUJUMI AM *et al*
DOWLING RH *see* HALL PA *et al*: HOWARD PJ *et al*: TAYLOR PR *et al*
DOWSETT JF *see* NUSSINSON E *et al*: POLYDOROU AA *et al*
DOYLE JS *see* MacMAHON M *et al*
DREWE J *see* MEYER B *et al*
DROG M *see* AHRENSTEDT O *et al*
Drug metabolism and hepatotoxicity, **S34**
DUCLOS B, BORIES P, MATHIEU-DAUDE JC and MICHEL H: Jejunal permeability to water and electrolytes in patients with chronic intrahepatic hypertension: evidence for a role of aldosterone, **640**
DUNCAN A *see* MORRIS AJ *et al*
DUNN J *see* VALORI RM *et al*
Duodenal brush border membrane, protected by prostaglandin, **645**
Duodenal epithelium, different type of peroxisomes in, **858**
Duodenal malignancy, and coeliac disease, treatment and diet (*case report*), **90**
Duodenal ulcer
  and carbohydrate (*letter*), **339**
  circadian pattern of intragastric acidity, **1104**
  dietary factors (*letter*), **456**
  maintenance treatment, ranitidine 300 mg at night is better than 150 mg in cigarette smokers, **151**
  non-steroidal anti-inflammatory drug associated, ranitidine, 252: (*letter*), **963**
  omeprazole (*letter*), **721**
  risk, and physical activity at work, **983**
Duodenocaval fistula, in peptic ulceration (*case report*), **452**
Duodenogastric reflux inducing gastric carcinogenesis without carcinogens, rat, **1447**
DURBEC JP *see* BOURLIERE M *et al*
DUROUX Ph, EMDE C, BAUERFEIND P, FRANCIS C, GRISEL A, THYBAUD L, ARMSTRONG D, DEPEURSINGE C and BLUM AL: The ion sensitive field effect transistor (ISFET) pH electrode: a new sensor for long term ambulatory pH monitoring, **240**
DUSHEIKO G *see* SHERLOCK S and DUSHEIKO G
DUTT S *see* RILEY SA *et al*
DUTTA P, LAHIRI M, SEN D and PAL SC: Prospective hospital based study on persistent diarrhoea, **787**
DYMOCK IW *see* BOMFORD AB *et al*
Dyspepsia, non-ulcer, and hypomotility, prospective multifactorial study, **246**
Dysphagia, malignant, palliation, surgery, radiotherapy, laser, intubation alone or in combination (*leading article*), **841**
Dysplasia
  and carcinoma in longstanding ulcerative colitis, endoscopic and histological surveillance programme, **1521**
  and progress to adenocarcinoma in Barrett's oesophagus, **1441**

EADY RAJ *see* TRAVIS SPL *et al*
EASTWOOD MA *see* WILLIAMS AJK *et al*
Echoendoscopy, role in management of alimentary tract lipomas (*letter*), **112**
EDDLESTON ALWF, DONALDSON PT, HEGARTY JE, and REED BD: Immunological aspects of liver disease, **S40**
  see also McFARLANE IG *et al*
EDMOND M *see* KATSCHINSKI BD *et al*
EFA EF *see* WATANAPA P *et al*
EGBERTS HJA *see* ROELS F *et al*
EGGERS RH *see* MEYER B *et al*
Eicosanoid synthesis in inflammatory bowel disease, incorporation of fatty acids from fish oil and olive oil into colonic mucosal lipids, **1151**
EINARSSON K *see* EUSUFZAI S *et al*: LAPIDUS A and EINARSSON K: SAHLIN S *et al*
EJDERHAMN J, RAFTER JJ, and STRANDVIK B: Faecal bile acid excretion in children with inflammatory bowel disease, **1346**
EKBOM A *see* SAMUELSSON S-M *et al*
EL NUJUMI AM, DORRIAN CA, CHITTAJALLU RS, NEITHERCUT WD and McCOLL KEL: Effect of inhibition of *Helicobacter pylori* urease activity by acetohydroxamic acid on serum gastrin in duodenal ulcer subjects, **866**
  see also NEITHERCUT WD *et al*
Electrocoagulation, heat probe, in successful treatment of watermelon stomach (*letter*), **964**
Electrolyte transport, glucocorticoid induced, rat colon, segmental variability, **936**
Electromyography and anal manometry of external anal sphincter, relation between, **1031**
Electrophysiology measurements to evaluate small bowel autotransplants, dog, **1329**
Elemental diet in management of Crohn's disease during pregnancy (*case report*), **1079**
ELIAS E *see* O'CONNOR HJ *et al*: RAOUF AH *et al*
ELLIOTT EJ, WATSON AJM, WALKER-SMITH JA, and FARTHING MJG: Search for the ideal oral rehydration solution: studies in a model of secretory diarrhoea, **1314**
ELLIS CJ *see* STROCCHI A *et al*
ELLIS HJ *see* STURGESS RP *et al*
ELWOOD PC *see* SITAS F *et al*
EMDE C *see* DUROUX Ph *et al*
EMMETT PM *see* HEATON KW *et al*
Emptying, gastric, of two radiolabelled antacids, **147**
Endorphin-beta, plasma, in cirrhosis and renal failure, **306**
Endoscopic
  biliary stent exchange, wire guided balloon assisted, **1562**
  endoprosthesis insertion, in palliation of proximal malignant biliary obstruction, **685**
  fine needle aspiration cytology, in diagnosis of gastro-oesophageal and colorectal malignancies, **745**
  injection sclerosis, effective treatment for bleeding peptic ulcer, **727**
  polypectomy, venous invasion of malignant colorectal polyps, successful treatment, **774**
  retrograde cholangiopancreatography, role after orthotopic liver transplantation, **419**
  ultrasound, in preoperative evaluation of gastric cancer, **479**
Endoscopy
  for bleeding peptic ulcers, randomised comparison of adrenaline injection and adrenaline injection + Nd:YAG laser photocoagulation, **1100**
  gastrointestinal, recommendations for standards of sedation and patient monitoring (*special report*), **823**
  and related services, provision, district general hospital (*special report*), **95**
  and improving biliary-enteric drainage in primary sclerosing cholangitis, **1364**
  improving standards (*leading article*), **725**
  role in management of alimentary tract lipomas (*letter*), **112**
Endosonography, evaluation in TN staging of oesophageal cancer, **16**
ENDTZ HPh *see* VEENENDAAL RA *et al*
ENJOJI M *see* YAMAGUCHI K and ENJOJI M
Enteral feeding as sole treatment for Crohn's disease, controlled trial of whole protein *v* amino acid based feed and case study of dietary challenge (*clinical trial*), **702**
Enteral nutrition in Crohn's disease, elemental *v* polymeric diet, **1492**
Enteric neuropeptides, temporal adaptation, and neural isolation of jejunoileum, dog, **1336**

Enterochromaffin like cell granules, human, ultrastructural demonstration of histamine (*letter*), **834**
Enterocytes, intracellular mediators, measurement, jejunal biopsy specimens, cystic fibrosis, **893**
Enteropathy, autoimmune
and colitis, possibility of generalised autoimmune gut disorder, **36**
response to cyclosporin A therapy (*case report*), **1421**
Enteroscopy, and small bowel tumours, **763**
Enzymes, biotransformation, in human intestine, critical low levels in colon, **408**
Epidermal growth factor
trophic action on duodenal mucosa cultured in vitro, **991**
urogastrone, effects on intestinal brush border enzymes and mitotic activity, **994**
ERICSSON S *see* EUSUFZAI S *et al*
ERIKSEN EF *see* BISBALLE S *et al*
Escherichia coli, enteropathogenic, and life threatening chronic diarrhoea, **154**
ESPEEL M *see* ROELS F *et al*
ESPINER EA *see* BRUNNER J *et al*
ESTORCH M *see* MONES J *et al*
EULDERINK F *see* VEENENDAAL RA *et al*
EUSUFZAI S, ERICSSON S, CEDERLUND T, EINARSSON K, and ANGELIN B: Effect of ursodeoxycholic acid treatment on ileal absorption of bile acids in man as determined by the SeHCAT test, **1044**
EVANS SW *see* BANKS RE *et al*
Exercise, moderate, effect on bowel habit, **941**
Exocrine pancreatic function
in coeliac disease, children, before and after gluten free diet, **796**
see also Pancreas
External anal sphincter, relation between electromyography and anal manometry, **1031**
Extracorporeal shock wave lithotripsy
of gall stones, in vitro comparison between electrohydraulic and piezoceramic device, **312**
and papillary dilatation via T tube, for retained bile duct stones after Billroth II gastrectomy (*case report*), **329**
Extrahepatic biliary stricture, cytodiagnosis in management, **1188**

Faecal incontinence, and internal anal sphincter, new insights (*leading article*), **345**
Faecal stasis, proximal, prevalence in active ulcerative colitis, **179**
Faecal stream and stasis, effects on ileal pouch mucosa, **1166**
FAIRCLOUGH PD *see* WATSON AJM *et al*
FAIS S, CAPOBIANCHI MR, PALLONE F, DI MARCO P, BOIRIVANT M, DIANZANI F and TORSOLI A: Spontaneous release of interferon b by intestinal lamina propria lymphocytes in Crohn's disease. Kinetics of in vitro response to interferon b inducers, **403**
Familial adenomatous polyposis, combined phenotypic markers in identifying inheritance, **1170**
FAMILONI BO, BOWES KL, KINGMA YJ and COTE KR: Can transcutaneous recordings detect gastric electrical abnormalities?, **141**
FARINATI F, RUGGE M, VALIANTE F, BAFFA R, DI MARIO F, NACCARATO R: Gastric epithelial dysplasia (*letter*), **457**
FARNUM JB *see* BORHAN-MANESH F and FARNUM JB
FARRANT M *see* LOMBARD M *et al*
FARTHING MJG *see* CHAR S and FARTHING MJG: ELLIOTT EJ *et al*: KAMM MA *et al*: TANAKA K *et al*: THILLAINAYAGAM AV *et al*: WATSON AJM *et al*
Fat composition, different diets, gastrointestinal adaptation, **483**
FATTOVICH G, BROLLO L, GIUSTINA G, NOVENTA F, PONTISSO P, ALBERTI A, REALDI G and RUOL A: Natural history and prognostic factors for chronic hepatitis type B, **294**
Fc receptor function and circulating immune complexes in gluten sensitive enteropathy, possible significance of serum IgA, **876**
FEARN UJ *see* PRIOR A *et al*
FEHILLY B *see* BJARNASON I *et al*
FELL GS *see* PARK RHR *et al*
FENN GC *see* PLAYFORD RJ *et al*
FENYVES D *see* ODES HS *et al*
FERGUSON A *see* GAWKRODGER DJ *et al*: O'MAHONY S *et al*: SRIVASTAVA ED *et al*: TRONCONE R and FERGUSON A
FERRARO C *see* D'AGOSTINO L *et al*
FERRETTI H *see* GIONCHETTI P *et al*
Ferritin, placental, in coeliac disease, stage, origin, and role in malignancy, **999**
Fibre, dietary, colonic fermentation to short chain fatty acids, in adenomatous polyps and colonic cancer, **923**
FIERENS E *see* HOLVOET J *et al*
FILIPE MI *see* ROKKAS T *et al*: TAYLOR PR *et al*
FINNIE IA and GILMORE IT: Obscure anaemia and hepatic dysfunction in Castleman's disease (*letter*), **112**
FIORAMONTI J *see* THEODOROU V *et al*
FISCHBACH W *see* BOEGE F and FISCHBACH W
Fish oil, incorporation of fatty acids into colonic mucosal lipids, inflammatory bowel disease, **1151**
FISHER MJ *see* FREIDIN N *et al*
Flatus, normal production, healthy volunteers, investigation, **665**
FLEJOU JF *see* MOSNIER JF *et al*
FLORIN T, NEALE G, GIBSON GR, CHRISTL SU and CUMMINGS JH: Metabolism of dietary sulphate: absorption and excretion in humans, **766**
Fluticasone propionate
in Crohn's disease, **657**
in untreated coeliac disease, pilot study, **260**
Focal nodular hyperplasia of the liver, results of treatment and options in management, **524**
FOLEY JA *see* JENKINS AP *et al*
FOLSCH UR *see* NITSCHE R and FOLSCH UR
Food starch, and granulomatous peritonitis and appendicitis (*case report*), **718**
FORBES A and MURRAY-LYON IM: Cystic disease of the liver and biliary tract, **S116**
see also PANOS MZ *et al*
FORMAN D *see* SITAS F *et al*
FORSTMAIER G *see* KRUIS W *et al*
FOSTER CS *see* JALLEH RP *et al*
FOSTER DN *see* DE FRIEND DJ *et al*
FOWLER PJ *see* BARNETTE MS *et al*
FRANCIS C *see* DUROUX Ph *et al*
FRASER D *see* ODES HS *et al*
FRASER GM *see* ODES HS *et al*
FRASER R, HOROWITZ M and DENT J: Hyperglycaemia stimulates pyloric motility in normal subjects, **475**
Free radical scavenger, *see* CV 3611
Free radicals in colitis (*letter*), **232**
FREEMAN TC *see* PLAYFORD RJ *et al*
FREI JV *see* ADAMS PC *et al*
FREIDIN N, FISHER MJ, TAYLOR W, BOYD D, SURRATT P, McCALLUM RW, and MITTAL RK: Sleep and nocturnal acid reflux in normal subjects and patients with reflux oesophagitis, **1275**
MITTAL RK and MCCALLUM RW: Does body posture affect the incidence and mechanism of gastro-oesophageal reflux?, **133**
FREISE J *see* WAGNER S *et al*
FRIEDRICH M *see* ZIEGLER K *et al*
FROMMER DJ: Gastrointestinal intraluminal pH (*letter*), **1087**
FROST EA *see* SCHACHLER R *et al*
FROST PG *see* RAIMUNDO AH *et al*
alpha-2-L-Fucosylation, controls expression of ABH and Lewis^b structures, normal and malignant colon, **287**
FUJISHIMA H *see* AKAHOSHI K *et al*
FULLARTON GM *see* ALLISON MC *et al*
FULLER R: Probiotics in human medicine (*progress report*), **439**
FURNE JK *see* STROCCHI A *et al*

GAGNEMO-PERSSON R *see* AXELSON J *et al*
GALBRAITH R *see* NEUBERGER J *et al*
Gall bladder
bile, nucleation time, in gall stone patients, influence of bile acid treatment, **1554**
clearance with cholecystolithotripsy, persistence of symptoms after, **536**: (*letter*), **1430**
distension inhibits sphincter of Oddi motility in humans, **690**
emptying patterns, in response to normal meal, healthy subjects and patients with gall stones, ultrasound study, **1406**
lesion, in primary sclerosing cholangitis, histological and immunohistochemical study, **424**
perforation, acute, dilemma in early diagnosis (*case report*), **956**
GALL DG *see* MANTLE M *et al*
Gall stone(s)
in diabetics, lipid pattern and plasma insulin (*letter*), **339**
disease, in African patients with sickle cell anaemia, **539**
dissolution solvents, in vitro comparison, **211**
symptomatic and silent, in the community, **316**
GALLAGHER A *see* MAHIDA YR *et al*
GALUN E *see* ILAN Y *et al*
Gamma-aminobutyric acid, production by faecal *Escherichia coli*, effect of protein and lactulose, **1007**
Gamma/delta T cell receptor bearing lymphocytes, increase, in normal small bowel mucosa in latent coeliac disease (*case report*), **1412**
GANDOLFI L, LEO P, SOLMI L, VITELLI E, VERROS G and COLECCHIA A: Natural history of hepatic haemangiomas: clinical and ultrasound study, **677**
Gas, small bowel, in severe ulcerative colitis, **1535**
GAST P *see* DELWAIDE J *et al*
Gastrectomy, osteopenia and osteomalacia after, **1303**
Gastric
acid secretion, gastrin-histamine sequence in regulation (*progress report*), **698**
acid and urinary acid excretion (*letter*), **339**
adenocarcinoma with hypertrophic gastropathy: Menetrier's disease and lymphocytic gastritis?, **1565**

antral vascular ectasia, problem of recognition and diagnosis (*case report*), **954**
successful control of bleeding by laser photocoagulation (*case report*), **93**: (*letter*), **964**
successful treatment by heat probe electrocoagulation (*letter*), **964**
cancer, associated structure in mucus glycoproteins shown as clinically useful marker, **1465**
early, increased incidence, in intestinal metaplasia type III, **1110**
with liver metastasis, alphafetoprotein producing (*case report*), **542**
preoperative evaluation by endoscopic ultrasound, **479**
carcinogenesis induced by duodenogastric reflux without carcinogens, rat, **1447**
electrical abnormalities, possible detection by transcutaneous recordings, **141**
emptying, delayed, in gastro-oesophageal reflux disease, effect of cisapride, **470**
of solids, influence of acid-pepsin secretion, studies with cimetidine, **1295**
epithelial dysplasia (*letter*), **457**
lesions, age related, effect of colloidal bismuth subcitrate, rat, **355**
mucosa, histamine concentration, in *Helicobacter pylori* positive and negative children, **464**
ulcers, non-steroidal anti-inflammatory drug associated, ranitidine, **252**: (*letter*), **963**
omeprazole (*letter*), **721**
Gastrin
-histamine sequence in regulation of gastric acid secretion (*progress report*), **698**
plasma concentrations, effect of increasing *Helicobacter pylori* ammonia production by urea infusion, **21**
serum, effect of *Helicobacter pylori* urease inhibition on, **866**
Gastritis, due to spiral shaped bacteria other than *Helicobacter pylori*, **137**
Gastro-oesophageal malignancies, endoscopic fine needle aspiration cytology in diagnosis, **745**
Gastro-oesophageal reflux, effect of body posture, **133**
Gastro-oesophageal reflux disease
effect of cisapride on delayed gastric emptying, **470**
relations among autonomic nerve dysfunction, oesophageal motility, and gastric emptying, **1436**
symptomatic gastro-oesophageal reflux, abnormal oesophageal acid exposure, and mucosal acid sensitivity, separate related aspects, **128**
without oesophagitis, natural history, **845**
Gastro-oesophageal refluxate, composition, **1093**
Gastrointestinal cancer, screening for, epidemiological review (*progress report*), **220**
Gastrointestinal endoscopy
recommendations for standards of sedation and patient monitoring (*special report*), **823**
upper, sedation, **12**: letter, **832**
Gastrointestinal transit, and sulphalasazine (*letter*), **1087**
GAWKRODGER DJ, McDONALD C, O'MAHONY S and FERGUSON A: Small intestinal function and dietary status in dermatitis herpetiformis, **377**
GAYET B *see* MOSNIER JF *et al*
GAZZARD BG: Oesophagography and AIDS (*letter reply*), **340**
GEAR MWL *see* BELL GD *et al*: ROBINSON MHE and GEAR MWL
GEARTY JC *see* WOOD GM *et al*
GEBEL M *see* WAGNER S *et al*
GENDRE JP *see* BEAUGERIE L *et al*: RIGAUD D *et al*
GERAGHTY JG, COVENEY E, KENNEDY TE, O'DWYER PJ and MURPHY JJ: Duodenocaval fistula in peptic ulceration (*case report*), **452**
GERAGHTY JM and TALBOT IC: Diversion colitis: histological features in the colon and rectum after defunctioning colostomy, **1020**
WILLIAMS CB and TALBOT IC: Malignant colorectal polyps: venous invasion and successful treatment by endoscopic polypectomy, **774**
GERDIN B and HALLGREN R: Localisation of hyaluronan in the human intestinal wall, **760**
GHENT CN *see* ADAMS PC *et al*
GHOSH S *see* HEATON KW *et al*
GIARDIELLO FM, JACKSON FW and LAZENBY AJ: Metachronous occurrence of collagenous colitis and ulcerative colitis (*case report*), **447**
OFFERHAUS GJA, TRABOULSI EI, GRAYBEAL JC, MAUMENEE IH, KRUSH AJ, LEVIN LS, BOOKER SV, and HAMILTON SR: Value of combined phenotypic markers in identifying inheritance of familial adenomatous polyposis, **1170**
GIBSON GR *see* FLORIN T *et al*
GIBSON P, LICHTENSTEIN M, SALEHI N, HEBBARD G, and ANDREWS J: Value of positive technetium-99m leucocyte scans in predicting intestinal inflammation, **1502**
GIBSON PR, VAN DE POL E and DOE WF: Cell associated urokinase activity and colonic epithelial cells in health and disease, **191**
GILBERTSON JA *see* JALLEH RP *et al*
GILLESPIE J *see* POSTON GJ *et al*
GILLESPIE S *see* MITCHISON HC *et al*
GILMORE IT *see* FINNIE IA and GILMORE IT
GIMSON AES *see* HUGHES RD *et al*: PAIN JA *et al*
GIONCHETTI P, CAMPIERI M, BELLUZZI A, BONI P, BRIGNOLA C, FERRETTI H, IANNONE P, MIGLIOLI M and BARBARA L: Interleukin 1 in ulcerative colitis (*letter*), **338**
see also CAMPIERI M *et al*
GIUSTINA G *see* FATTOVICH G *et al*
GLADZIWA U *see* WAGNER S *et al*
GLASER KS *see* WEGER AR *et al*
Glass and antimony electrodes compared, for continuous oesophageal pH monitoring, **708**
GLEESON D, NEWBOULD MJ, TAYLOR P, McMAHON RF, LEAHY BC, and WARNES TW: Androgen associated hepatocellular carcinoma with an aggressive course (*case report*), **1084**
Glucocorticoid induced electrolyte transport, rat colon, segmental variability, **936**
Glutathione S-transferase
in health and disease (*progress report*), **813**
in human liver cancer, **1546**
Gluten free diet
compliance of adolescents with coeliac disease, **881**
exocrine pancreatic function before and after, in children with coeliac disease, **796**
Gluten induced enteropathy, animal model, in mice, **871**
Gluten sensitive enteropathy
abnormal permeability preceding development, Irish setter dogs, **749**
Fc receptor function and circulating immune complexes, possible significance of serum IgA, **876**
GO VLW *see* NELSON DK *et al*
GODFREY M *see* MAXTON DG *et al*
GOLDHILL J *see* HARDCASTLE J *et al*
GOODLAD RA, RAJA KB, PETERS TJ, and WRIGHT NA: Effects of urogastrone-epidermal growth factor on intestinal brush border enzymes and mitotic activity, **994**
GOODMAN MJ *see* RILEY SA *et al*
GOSSUIN A *see* TOUSSAINT J *et al*
GOTLEY DC, MORGAN AP, BALL D, OWEN RW, and COOPER MJ: Composition of gastro-oesophageal refluxate, **1093**
GOULDESBROUGH DR and PELL ACH: Gastric antral vascular ectasia: a problem of recognition and diagnosis (*case report*), **954**
GOVE CD and HUGHES RD: Liver regeneration in relationship to acute liver failure, **S92**
GOY J *see* CLARK R and GOY J
GOYVAERTS H *see* VANDENPLAS Y *et al*
GRANT DR *see* ADAMS PC *et al*
Granulomatous bowel disease, animal model, observations on Kveim reaction, **159**
Granulomatous peritonitis and appendicitis of food starch origin (*case report*), **718**
GRAYBEAL JC *see* GIARDIELLO FM *et al*
GRECO L *see* MAYER M *et al*
GREEN EP *see* MOSS MT *et al*
GREENBERGER N *see* SUTHERLAND L *et al*
GREENFIELD SM, PUNCHARD NA, and THOMPSON RPH: Inhibition of red cell membrane lipid peroxidation by sulphasalazine and 5-aminosalicylic acid, **1156**
GREENSTEIN AJ *see* SUGITA A *et al*
GREENWELL P *see* ORNTOFT TF *et al*
GRENBERG RE *see* BANK S *et al*
GRIFFIN M *see* SMITH JA *et al*
GRIFFITHS AM, WESSON DE, SHANDLING B, COREY M and SHERMAN PM: Factors influencing postoperative recurrence of Crohn's disease in childhood, **491**
GRISEL A *see* DUROUX Ph *et al*
GROUS M *see* BARNETTE MS *et al*
Growth factors, and the liver (*leading article*), **601**
GUDMAND-HOYER E *see* BODE S *et al*
GUMPEL M *see* BJARNASON I and GUMPEL M
Gut adaptation, small intestinal length an essential factor, **1321**
Gut transit, effect of refined sugar, **367**
GYDE SN: Screening for colorectal cancer in ulcerative colitis (*letter reply*), **721**
Gynaecological cancer, radiotherapy, chronic diarrhoea after, **1180**

H2 receptor antagonists, or omeprazole, in treatment of refractory peptic ulcer (*clinical trial*), **435**
Ha-ras allelles, distribution in colorectal cancer and Crohn's disease, **1508**
HABER PS, WILSON JS, McGARITY BH, HALL W, THOMAS MC and PIROLA RC: alpha1 Antitrypsin phenotypes and alcoholic pancreatitis, **945**
HACHET T *see* THEODOROU V *et al*
Haemochromatosis
donor liver with, evidence against an inherited intrahepatic defect (*case report*), **1082**
genetic, differentiation from alcoholic liver disease complicated by alcoholic haemosiderosis by hepatic tissue iron index, **207**
review of 25 years, **S111**

Haemorrhage, small bowel, due to cytomegalovirus vasculitis (*case report*), **1419**
Haemostasis, gastric mucosal, enhanced, after upper gastrointestinal haemorrhage, **735**
HAGGMARK A *see* SJOLUND K *et al*
HAGLUND U *see* SCHOENBERG MH *et al*
HAKANSON R *see* AXELSON J *et al*
HAKKINEN I, NEVALAINEN T, PAASIVUO R, PARTANEN P, SEPPALA K, and SIPPONEN P: Gastric cancer associated structure in mucus glycoproteins shown as a clinically useful marker, **1465**
HALABI A and KIRCH W: Negative chronotropic effects of nizatidine, **630**
HALL EJ and BATT RM: Abnormal permeability precedes the development of a gluten sensitive enteropathy in Irish setter dogs, **749**
HALL MA, LANCHBURY JSS, BOLSOVER WJ, WELSH KI and CICLITIRA PJ: HLA association with dermatitis herpetiformis is accounted for by a *cis* or *trans*associated DQ heterodimer, **487**
HALL MJ, COOPER BT, ROONEY N, THOMPSON H and READ AE: Coeliac disease and malignancy of the duodenum: diagnosis by endoscopy, successful treatment of the malignancy, and response to a gluten free diet (*case report*), **90**
HALL PA, LEMOINE NR, MURPHY G and DOWLING RH: Molecular differences between human and experimental pancreaticobiliary diversion-induced rat pancreatic neoplasia, **533**
HALL W *see* HABER PS *et al*
HALLGREN R *see* AHRENSTEDT O *et al*: GERDIN B and HALLGREN R
HALLISEY MT *see* VALORI RM *et al*
HALLIWELL M *see* BRAATVEDT GD *et al*
HAMILTON EBD *see* BOMFORD AB *et al*
HAMILTON SR *see* GIARDIELLO FM *et al*
HANAUER S *see* SUTHERLAND L *et al*
HANLEY DC *see* TAYLOR PR *et al*
HARDCASTLE J, HARDCASTLE PT, TAYLOR CJ, and GOLDHILL J: Failure of cholinergic stimulation to induce a secretory response from the rectal mucosa in cystic fibrosis, **1035**
see also HITCHIN BW *et al*
HARDCASTLE PT *see* HARDCASTLE J *et al*: HITCHIN BW *et al*
HARDMAN M *see* LEE FI *et al*
HARING R *see* ZIEGLER K *et al*
HARJU E *see* NORDBACK I and HARJU E
HARPER J *see* MIROS M *et al*
HARRISON DJ *see* HAYES PC *et al*
HARRISON G *see* BELL GD *et al*
HARRISON IG *see* THILLAINAYAGAM AV *et al*
HARRISON JD and MORRIS DL: Does bipolar electrocoagulation time affect vessel weld strength?, **188**
HASSAGER C *see* BODE S *et al*
HATFIELD ARW, and RUSSELL RCG: Palliation of malignant obstructive jaundice - surgery or stent? (*letter*), **833**
HATFIELD ARW *see also* POLYDOROU AA *et al*
HAUTEKEETE ML *see* HOLVOET J *et al*
HAWKEY CJ *see* MAHIDA YR *et al*
HAWLEY PR *see* STABILE G *et al*
HAWTHORNE AB *see* MAHIDA YR *et al*
HAYES JD *see* HAYES PC *et al*
HAYES PC, BOUCHIER IAD and BECKETT GJ: Glutathione S-transferase in humans in health and disease (*progress report*), **813**
MAY L, HAYES JD, and HARRISON DJ: Glutathione S-transferases in human liver cancer, **1546**
HAYLLAR J and BJARNASON I: Sulphasalazine in ulcerative colitis: in memoriam? (*leading article*), **462**
HEADING RC *see* HOWARD PJ *et al*
HEATLEY RV *see* COPE GF *et al*: CRABTREE JE *et al*: SOBALA GM *et al*
HEATON KW, BRADDON FEM, MOUNTFORD RA, HUGHES AO and EMMETT PM: Symptomatic and silent gall stones in the community, **316**
GHOSH S and BRADDON FEM: How bad are the symptoms and bowel dysfunction of patients with the irritable bowel syndrome? A prospective, controlled study with emphasis on stool form, **73**
HEBBARD G *see* GIBSON P *et al*
HEDDLE R *see* COLLINS PJ *et al*
HEGARTY JE *see* EDDLESTON ALWF *et al*
HEIJTINK RA *see* BERK L *et al*
HEILMANN KL and BORCHARD F: Gastritis due to spiral shaped bacteria other than *Helicobacter pylori*: clinical, histological, and ultrastructural findings, **137**
HEINEMAN E *see* MEIJSSEN MAC *et al*: SAAT RE *et al*
Helicobacter pylori
ammonia production, increasing by urea infusion, effect on plasma gastrin concentrations, **21**
associated gastritis, mucosal tumour necrosis factor alpha and interleukin-6, **1473**
associated hypergastrinaemia, caused by bacterium's ureas activity or antral gastritis, **1286**
and bacterial adhesion (*letter*), **111**
and congestive gastropathy, endoscopy and morphometry, **351**
diagnostic efficiency of ultrarapid endoscopy room test, **467**
infection, acute, clinical, immune and gastric features (*case report*), **1415**
ammonium and urea detection in mucosa, **973**
13C-urea breath test (*letter*), **551**
in healthy people, dynamic process, **347**: (*letter*), **1429**
long term serological surveillance after treatment, **1291**
rates in relation to age and social class, Welsh men, **25**
neutrophil activation by, **853**
positive and negative children, histamine concentration of gastric mucosa, **464**
simplified single sample 13Carbon urea breath test for, comparison with histology, culture, and ELISA serology, **1461**
urease activity, effect of inhibition by acetohydroxamic acid on serum gastrin in duodenal ulcer subjects, **866**
HELMICK CG *see* SAMUELSSON S-M *et al*
HELVEN R *see* VANDENPLAS Y *et al*
HENDRIKS HGCJM, KIK MJL, KONINKX JFJG, VAN DEN INGH TSGAM and MOUWEN JMVM: Binding of kidney bean (*Phaseolus vulgaris*) isolectins to differentiated human colon carcinoma Caco-2 cells and their effect on cellular metabolism, **196**
HENDRIKS Th *see* MARTENS MFWC and HENDRIKS Th
HENDRIKSEN F *see* KIK MJL *et al*
HENIN D *see* MOSNIER JF *et al*
HENRY D *see* PURCELL P *et al*
Hepatic amyloidosis, and sinusoidal portal hypertension (*case report*), **227**
Hepatic encephalopathy, neurochemistry (*leading article*), **1261**
Hepatic haemangiomas, natural history, clinical and ultrasound study, **677**
Hepatic tissue iron index, efficacy in differentiating genetic haemochromatosis from alcoholic liver disease complicated by alcoholic haemosiderosis, **207**
see also Liver
Hepatitis
autoimmune chronic active,
in a family, **299**
undetectable caeruloplasmin values (*case report*), **549**
chronic active, *see* Chronic active hepatitis
and diclofenac, characteristics of liver injury, **1381**
severe chronic active (autoimmune type), mimicked by coinfection of hepatitis C and HIV (*case report*), **1198**
viral, *see* Viral hepatitis
Hepatitis C virus updated (*leading article*), **965**
Hepatitis type B, chronic, natural history and prognostic factors, **294**
Hepatocellular carcinoma
advances in treatment, **S104**
androgen associated, with an aggressive course (*case report*), **1084**
Hepatorenal syndrome, and ascites, pathogenesis, **S12**
Hepatotoxicity, and drug metabolism, **S34**
HERD ME *see* RILEY SA *et al*
HERLINGER H *see* LEVINE MS and HERLINGER H
HERMON-TAYLOR J *see* MOSS MT *et al*
HERNANZ A and POLANCO I: Plasma precursor amino acids of central nervous system monoamines in children with coeliac disease, **1478**
HESSEY SJ, WYATT JI and DIXON ME: Bacterial adhesion and *Helicobacter pylori* (*letter*), **111**
HESSOV I *see* BISBALLE S *et al*
Heterotopic gastric mucosa, incidence in upper oesophagus, **968**
HILDEBRAND P *see* SIEBER C *et al*
HILDREY V *see* RAOUF AH *et al*
HILL SM, MILLA PJ, BOTTAZZO GF and MIRAKIAN R: Autoimmune enteropathy and colitis: is there a generalised autoimmune gut disorder?, **36**
PHILLIPS AD and WALKER-SMITH JA: Enteropathogenic *Escherichia coli* and life threatening chronic diarrhoea, **154**
HILLIER K, JEWELL R, DORRELL L, and SMITH CL: Incorporation of fatty acids from fish oil and olive oil into colonic mucosal lipids and effects upon eicosanoid synthesis in inflammatory bowel disease, **1151**
HILLMAN M *see* ILAN Y *et al*
HINCHLIFFE RFC *see* BARDHAN KD *et al*
HINSULL SM: Effect of colloidal bismuth subcitrate on age related gastric lesions in the rat, **355**
HIRST BH *see* ZHAO D and HIRST BH
Histamine
concentration of gastric mucosa in *H. pylori* positive and negative children, **464**
H2 receptor blockade, rebound intragastric hyperacidity after abrupt withdrawal, **1455**
in human enterochromaffin like cell granules, ultrastructural demonstration (*letter*), **834**
sensitive adenylate cyclase of gastric mucosal cells, absence of antibodies stimulating, in peptic ulcer disease, **620**
HITCHIN BW, DOBSON PRM, BROWN BL, HARDCASTLE J, HARDCASTLE PT and TAYLOR CJ: Measurement of intracellular mediators in enterocytes isolated from jejunal biopsy specimens of control and cystic fibrosis patients, **893**
HLA association with dermatitis herpetiformis, accounted for by a *cis* or *trans*associated DQ heterodimer, **487**

HODGES S, LOBO-YEO A, DONALDSON P, TANNER MS and VERGANI D: Autoimmune chronic active hepatitis in a family, **299**
Hodgkin's disease presenting as liver abscesses (*case report*), **959**
HODGSON HJF *see* CARPANI DE KASKI M *et al*: SELDEN AC and HODGSON HJF
HOFMANN WJ *see* VON HERBAY A *et al*
HOLLOWAY RH *see* CUNNINGHAM KM *et al*
HOLM K *see* MAKI M *et al*
HOLVOET J, TERRIERE L, VAN HEE W, VERBIST L, FIERENS E and HAUTEKEETE ML: Relation of upper gastrointestinal bleeding to non-steroidal anti-inflammatory drugs and aspirin: a case-control study, **730**
HOPWOOD D *see* WALDRON B *et al*
HOROWITZ M *see* COLLINS PJ *et al*: CUNNINGHAM KM *et al*: FRASER R *et al*
HOSKING S *see* JOHNSON CD and HOSKING S
HOUGHTON LA *see* COLLINS PJ *et al*
HOWARD ER *see* MIELI-VERGANI G *et al*: PAIN JA *et al*
HOWARD PJ, MAHER L, PRYDE A, and HEADING RC: Systematic comparison of conventional oesophageal manometry with oesophageal motility while eating bread, **1264**
Symptomatic gastro-oesophageal reflux, abnormal oesophageal acid exposure, and mucosal acid sensitivity are three separate, though related, aspects of gastro-oesophageal reflux disease, **128**
MURPHY GM, and DOWLING RH: Gall bladder emptying patterns in response to a normal meal in healthy subjects and patients with gall stones: ultrasound study, **1406**
HOWDEN CW *see* MORRIS AJ *et al*
HOWDLE PD *see* MAHON J *et al*
HUBLE F *see* TOUSSAINT J *et al*
HUGHES AO *see* HEATON KW *et al*
HUGHES RD, WENDON J, and GIMSON AES: Acute liver failure, **S86**
see also GOVE CD and HUGHES RD
HUI WM, JOANA H, CHEN BW, CHO CH, LUK CT, LAM SK: Nicotine induced gastric injury. A quantitative macroscopic and microscopic analysis of the protective effects of sucralfate and feeding, **372**
HULSTAERT F *see* SENJU M *et al*
Humoral immune responses, systemic and mucosal, dissociation between, in coeliac disease, **29**
Humoral immunity, smoking, and ulcerative colitis, **1016**
HUMPHREY CS *see* DE FRIEND DJ *et al*
HUNTER M *see* SUTTERS M *et al*
HUSA A *see* LEIDENIUS M *et al*
HUSBAND D *see* NEOPTOLEMOS JP *et al*
HUTCHESON FA *see* LUBCKE R *et al*
Hyaluronan, localisation in human intestinal wall, **760**
Hydrogen
breath test, gastrointestinal motility and transit time, **1127**
competition for by human faecal bacteria, evidence for predominance of methane producing bacteria, **1498**
Hyperacidity, rebound intragastric, after abrupt withdrawal of histamine H2 receptor blockade, **1455**
Hypergastrinaemia
Helicobacter pylori associated, caused by bacterium's urease activity or antral gastritis, **1286**
postprandial, in colorectal cancer, **1352**
Hyperglycaemia, stimulates pyloric motility, normal subjects, **475**
Hypertension, chronic intrahepatic, jejunal permeability to water and electrolytes, aldosterone role, **640**
Hypertrophic gastropathy with gastric adenocarcinoma: Menetrier's disease and lymphocytic gastritis?, **1565**
Hypnosis, in modulation of orocaecal transit time, **393**
Hypomotility, in non-ulcer dyspepsia, prospective multifactorial study, **246**

IACONO G *see* CARROCCIO A *et al*
IANNONE P *see* CAMPIERI M *et al*: GIONCHETTI P *et al*
IDDON D *see* RAOUF A *et al*
IgA nephropathy, in non-cirrhotic portal hypertension (*case report*), **225**
IHSE I *see* SJOLUND K *et al*
ILAN Y, HILLMAN M, OREN R, GALUN E and SHALIT M: Undetectable caeruoplasmin values in a patient with autoimmune chronic active hepatitis (*case report*), **549**
Ileal
carcinoid, and angiodysplasia (*case report*), **1426**
pouch mucosa, effects of faecal stream and stasis, **1166**
pouches, pelvic, lymphocyte and macrophage subpopulations, **1160**
resection, effects on biliary lipids and bile acid, in Crohn's disease, **1488**
Ileoanal pouch function, determinants (*leading article*), **126**
Ileoanal reservoir, cancer in (*letter*), **338**
Ileostomies, 'low sodium' diuresis and ileal loss, effect of desmopressin, **649**
Immunological aspects of liver disease, **S40**
IMRAY C *see* NEOPTOLEMOS JP *et al*
Infancy, liver disease: 20 year perspective, **S123**
Infections, in severe acute or chronic liver disease, **S25**
Inflammatory bowel disease
Bedouin Arabs of southern Israel, rarity of diagnosis and clinical features, **1024**
chronic, antibodies to trypsin sensitive pancreatic antigen, **1192**
childhood, serum concentrations of tumour necrosis factor ', **913**
coexpression of CD4 and CD8 on T cells, **918**
copper/zinc proteins with antioxidant function, decrease, **1146**
cultured colonic specimen, 5-aminosalicylic acid as potent inhibitor of interleukin 1 beta, **50**
eicosanoid synthesis, effect of incorporation of fatty acids from fish oil and olive oil into colonic mucosal lipids, **1151**
faecal bile acid excretion, children, **1346**
histopathology, colonic mucosal biopsy specimens, **1514**
ion exchange chromatography of purified colonic mucus glycoproteins, **1139**
Insulin, plasma, and lipid pattern, in diabetics with gallstones (*letter*), **339**
Interferon gamma, spontaneous release by intestinal lamina propria lymphocytes in Crohn's disease, **403**
Interleukin 1, in ulcerative colitis (*letter*), **338**
Interleukin 1 beta, inhibited by 5-aminosalicylic acid, in organ culture of colonic biopsy specimens, inflammatory bowel disease, **50**
Interleukin-2 receptor expression (*letter*), **456**
Interleukin-6
high circulating concentrations in active Crohn's disease but not ulcerative colitis, **1531**
and mucosal tumour necrosis factor alpha, in *Helicobacter pylori* associated gastritis, **1473**
Internal anal sphincter, new insights into faecal incontinence (*leading article*), **345**
Intestinal
anastomoses, postoperative changes in collagen synthesis, rat, **1482**
barrier function, impaired, measured by differently sized polyethylene glycols, in chronic renal failure, **754**
infection, DNA probes for diagnosis (*leading article*), **1**
inflammation, value of positive technetium-99m leucocyte scans in predicting, **1502**
metaplasia type III, in detection of increased incidence of early gastric cancer, **1110**
permeability, increased, in ankylosing spondylitis, primary lesion or drug effect?, **1470**
pseudo-obstruction, due to visceral myopathy (*case report*), **334**
wall, human, localisation of hyaluronan, **760**
Intestine, biotransformation enzymes, critical low levels in colon, **408**
see also Small intestine
Intragastric acidity, circadian pattern, in duodenal ulcer patients, **1104**
Intraoesophageal pressures, ambulatory 23 hour recording, **1270**
Ion sensitive field effect transistor (ISFET) pH electrode, new sensor for long term ambulatory pH monitoring, **240**
Irritable bowel syndrome
abdominal distention in female patients, exploration of possible mechanisms, **662**
more accurate diagnosis by use of 'non-colonic' symptomatology, **784**
symptoms and bowel dysfunction, investigation for severity, **73**
IRWIN ST *see* CAMPBELL WJ *et al*
IS900, DNA hybridisation with fragment, in specific detection of *Mycobacterium paratuberculosis*, **395**
ITO N *see* KOHDA K *et al*

JACKSON DA *see* LANCASTER-SMITH MJ *et al*
JACKSON FW *see* GIARDIELLO FM *et al*
JADERBERG ME *see* LANCASTER-SMITH MJ *et al*: LEE FI *et al*
JAEGER K *see* SIEBER C *et al*
JALLEH RP, GILBERTSON JA, WILLIAMSON RCN, and FOSTER CS: Morphological and immunohistochemical analysis of the human liver in chronic pancreatitis, **1386**
JAMIESON GG *see* CUNNINGHAM KM *et al*: MADDERN GJ *et al*
JAN GM *see* ZARGAR SA *et al*
JANKOWSKI J *see* WALDRON B *et al*
JANSEN JBMJ *see* BAAK LC *et al*: DE JONG AJL *et al*
JANSSENS AR *see* MULDER TPJ *et al*
Jaundice, obstructive, malignant, palliation, surgery or stent (*letter*), **833**
JAYARAJ AP *see* TOVEY FI and JAYARAJ AP
JAZRAWI RP *see* DE CAESTECKER JS *et al*
JEEKEL J *see* SAAT RE *et al*
JEFFREY GP, REED WD, CARRELLO S and SHILKIN KB: Histological and immunohistochemical study of the gall bladder lesion in primary sclerosing cholangitis, **424**
Jejunal mesentery, benign lymphangioma, unusual cause of small bowel obstruction, **1568**
Jejunal permeability to water and electrolytes, in chronic intrahepatic hypertension, evidence for role of aldosterone, **640**
Jejunoileum, in vivo neural isolation, temporal adaptation of enteric neuropeptides, dog, **1336**
JENKINS AP, TREW DR, CRUMP BJ, NUKAJAM WS, FOLEY JA, MENZIES IS and CREAMER B: Do non-steroidal anti-inflammatory drugs increase colonic permeabilit, ?, **66**

JENNISCHE E *see* TORRES J *et al*
JENSS H *see* SEIBOLD F *et al*
JEWELL DP *see* CHEW CN *et al*: DE SILVA HJ *et al*: SENJU M *et al*: SNOOK JA *et al*: SNOOK JA and JEWELL DP
JEWELL R *see* HILLIER K *et al*
JOANA H *see* HUI WM *et al*
JOHNSON AG *see* KERRIGAN DD *et al*: SCHACHLER R *et al*
JOHNSON CD: Gastric acid and urinary acid excretion (*letter reply*), **339**
and HOSKING S: National statistics for diet, alcohol consumption, and chronic pancreatitis in England and Wales, 1960-88, **1401**
JOHNSON P *see* LOGAN RPH *et al*
JOHNSON PJ and McFARLANE IG: Chronic active hepatitis, **S63**
WILKINSON ML, and KARANI J: Advances in neoplastic disease of the liver and biliary tract, **S104**
JONES M *see* DE SILVA HJ *et al*
JUIMO AG *see* BILLA RF *et al*
JULIUSSON G *see* VERESS B *et al*

KAMBEROGLOU D, DAKKAK M and BENNETT JR: Case of watermelon stomach successfully treated by heat probe electrocoagulation (*letter*), **964**
KAMM MA, FARTHING MJG, LENNARD-JONES JE, PERRY LA and CHARD T: Steroid hormone abnormalities in women with severe idiopathic constipation, **80**
see also SPEAKMAN CTM and KAMM MA: STABILE G *et al*
KANG JY: Role of computed tomography, endoscopy, and echoendoscopy in the management of alimentary tract lipomas (*letter reply*), **112**
KARANI J *see* JOHNSON PJ *et al*: LOMBARD M *et al*
KARIM NQ *see* LOGAN RPH *et al*
KARLEN P *see* BROSTROM O *et al*: LOFBERG R *et al*
KARLSSON FA *see* BURMAN P *et al*
KARNSTROM U *see* SJOLUND K *et al*
KATSCHINSKI BD, LOGAN RFA, EDMOND M, and LANGMAN MJS: Physical activity at work and duodenal ulcer risk, **983**
KAWIMBE BM, PAPACHRYSOSTOMOU M, BINNIE NR, CLARE N, and SMITH AN: Outlet obstruction constipation (anismus) managed by biofeedback, **1175**
KEATING J *see* McNULTY J *et al*
KEE F and COLLINS BJ: How prevalent is cancer family syndrome?, **509**
COLLINS BJ and PATTERSON CC: Prognosis in familial non-polyposis colorectal cancer, **513**
KEELING PWN *see* McNULTY J *et al*
KEENAN J *see* MOONEY C *et al*
KEIGHLEY MRB *see* CURRAN FT *et al*
KELLEHER J *see* COPE GF *et al*
KELLOKUMPU I *see* LEIDENIUS M *et al*
KELLY D, KING TP, McFADYEN M and TRAVIS AJ: Effect of lactation on the decline of brush border lactase activity in neonatal pigs, **386**
KELLY J *see* MANTLE M *et al*
KELLY M *see* SUTHERLAND L *et al*
KELLY SB *see* SACKIER JM *et al*
KENNEDY N *see* WALDRON B *et al*
KENNEDY TE *see* GERAGHTY JG *et al*
KERLIN P *see* MIROS M *et al*
KERR IB *see* SCHOLEFIELD JH *et al*
KERRIGAN DD, MANGNALL YF, READ NW, and JOHNSON AG: Influence of acid-pepsin secretion on gastric emptying of solids in humans: studies with cimetidine, **1295**
KESHAVARZIAN A: Free radicals in colitis (*letter reply*), **232**
KETTLEWELL M *see* DE SILVA HJ *et al*
KHUROO MS *see* ZARGAR SA *et al*
Kidney bean isolectins, binding to differentiated human colon carcinoma Caco-2 cells, cellular metabolism, **196**
KIK MJL, KONINKX JFJG, VAN DEN MUYSENBERG A and HENDRIKSEN F: Pathological effects of *Phaseolus vulgaris* isolectins on pig jejunal mucosa in organ culture, **886**
see also HENDRIKS HGCJM *et al*
KING TP *see* KELLY D *et al*
KINGHAM JGC: Microscopic colitis (*leading article*), **234**
KINGMA YJ *see* FAMILONI BO *et al*
KINGSTON RD: Sedation for upper gastrointestinal endoscopy (*letter*), **832**
KIRCH W *see* HALABI A and KIRCH W
KLINGEL R, MITTELSTAEDT P, DIPPOLD WG, MEYER ZUM BUSCHENFELDE K-H: Distribution of Ha-ras alleles in patients with colorectal cancer and Crohn's disease, **1508**
KNUTSON F *see* AHRENSTEDT O *et al*
KNUTSON L *see* AHRENSTEDT O *et al*
KOCAK N *see* OZSOYLU S *et al*
KOCK L *see* PETERS WHM *et al*
KOHDA K, ITO N, OHWADA M, MORITA K, WATANABE N, KOHGO Y, MOGI Y and NIITSU Y: Diagnostic value of measurement of serum type I procollagen carboxyterminal peptides in patients with scirrhous carcinoma of the stomach, **624**
KOHGO Y *see* KOHDA K *et al*
KOHNO H *see* CHANG Y-C *et al*
KONINKX JFJG *see* HENDRIKS HGCJM *et al*: KIK MJL *et al*
KORNBLUTH A *see* LEWIS BS *et al*
KOUL V *see* ZARGAR SA *et al*
KRASNER N *see* RAOUF AH *et al*
KRAUSZ *see* DESA LA *et al*
KRAWITT E *see* SUTHERLAND L *et al*
KREMERS PG *see* PETERS WHM *et al*
KREUNING J *see* VEENENDAAL RA *et al*
KRUGLIAK P *see* ODES HS *et al*
KRUIS W, FORSTMAIER G, SCHEURLEN C and STELLAARD F: Effect of diets low and high in refined sugars on gut transit, bile acid metabolism, and bacterial fermentation, **367**
KRUSE-ANDERSEN S, WALLIN L, and MADSEN T: Ambulatory 23 hour recording of intraoesophageal pressures in normal volunteers: a propagation analysis from one proximal and two distal recording sites, **1270**
KRUSH AJ *see* GIARDIELLO FM *et al*
KUMAR DD *see* CHANG Y-C *et al*
KUMAR R *see* WALDRON B *et al*
KURLAC L *see* MAHIDA YR *et al*
Kveim reaction, using animal model of granulomatous bowel disease, observations, **159**

Lactation, effect on decline of brush border lactase activity, neonatal pigs, **386**
Lactulose, effect on production of GABA by faecal *Escherichia coli*, **1007**
LAHIRI M *see* DUTTA P *et al*
LAKER M *see* MITCHISON HC *et al*
LAM SK *see* HUI WM *et al*
LAMERS CBHW *see* BAAK LC *et al*: DE JONG AJL *et al*: MULDER TPJ *et al*: VEENENDAAL RA *et al*
Lamina propria lymphocytes, intestinal, spontaneous release of interferon gamma, in Crohn's disease, **403**
Lamina propria T cells, interleukin-2 receptor expression in Crohn's disease (*letter*), **456**
Laminin binding proteins, different, identification in basolateral cell membranes of colorectal carcinomas and normal colonic mucosa, **282**
LAMKIN VA *see* MURCH SH *et al*
LAMMING CED *see* MAHIDA YR *et al*
LAMY P *see* BEAUGERIE L *et al*
LANCASTER-SMITH MJ, JADERBERG ME and JACKSON DA: Ranitidine in the treatment of non-steroidal anti-inflammatory drug associated gastric and duodenal ulcers, **252**: (*letter*), **963**
LANCHBURY JSS *see* HALL MA *et al*
LANGDON-BROWN B *see* RAOUF A *et al*
LANGE S *see* TORRES J *et al*
LANGMAN MJS *see* KATSCHINSKI BD *et al*: WEIL J and LANGMAN MJS
LAPIDUS A and EINARSSON K: Effects of ileal resection on biliary lipids and bile acid composition in patients with Crohn's disease, **1488**
Laser photocoagulation
and adrenaline, in endoscopic treatment for bleeding peptic ulcers, **1100**
in successful control of bleeding from gastric antral vascular ectasia (watermelon stomach) (*case report*), **93**: (*letter*), **964**
LAU JYN, ALEXANDER GJM, and ALBERTI A: Viral hepatitis, **S47**
LAVENDER JP *see* CARPANI DE KASKI M *et al*
LAVO B, NILSSON B, LOOF L, NILSSON UR and NILSSON EKDAHL K: Fc receptor function and circulating immune complexes in gluten sensitive enteropathy - possible significance of serum IgA, **876**
LAWSON N *see* NEOPTOLEMOS JP *et al*
LAZENBY AJ *see* GIARDIELLO FM *et al*
LAZZARA S *see* DESA LA *et al*
LAZZARIN A *see* PARENTE F *et al*
LAZZARONI M *see* BARDHAN KD *et al*
LE QUINTREC Y *see* BEAUGERIE L *et al*: RIGAUD D *et al*
LEADER M *see* MacMAHON M *et al*
LEAHY BC *see* GLEESON D *et al*
LEBREC D *see* BION E *et al*
LEE FI, HARDMAN M and JADERBERG ME: Maintenance treatment of duodenal ulceration: ranitidine 300 mg at night is better than 150 mg in cigarette smokers, **151**
see also BARON JH *et al*
LEE PN *see* COPE GF *et al*
LEE SH and BERHENNE HJ: But was the procedure really necessary? (*letter*), **1430**
and BURHENNE HJ: Persistence of symptoms after gall bladder clearance with cholecystolithotripsy, **536**
LEIDENIUS M, KELLOKUMPU I, HUSA A, RIIHELA M, and SIPPONEN P: Dysplasia and carcinoma in longstanding ulcerative colitis: an endoscopic and histological surveillance programme, **1521**
LEMOINE NR *see* HALL PA *et al*
LENNARD-JONES JE: Screening for colorectal cancer in ulcerative colitis (*letter*), **721**
see also KAMM MA *et al*: STABILE G *et al*
LEO P *see* GANDOLFI L *et al*
LEVI AJ *see* BJARNASON I *et al*: TEAHON K *et al*

LEVIN LS *see* GIARDIELLO FM *et al*
LEVIN RJ *see* NZEGWU J and LEVIN RJ
LEVINE J *see* SUTHERLAND L *et al*
LEVINE MS and HERLINGER H: Oesophagography and AIDS (*letter*), **340**
LEVITT MD and LEWIS AAM: Determinants of ileoanal pouch function (*leading article*), **126**
see also STROCCHI A *et al*
LEWIS AAM *see* LEVITT MD and LEWIS AAM
LEWIS BS, KORNBLUTH A and WAYE JD: Small bowel tumours: yield of enteroscopy, **763**
LICHTENSTEIN M *see* GIBSON P *et al*
LIGHTMAN SL *see* SUTTERS M *et al*
LINDEMAN J *see* SELDENRIJK CA *et al*
LINGENFELSER TH and MARKS IN: Peritoneal tuberculosis (*letter*), **457**
Lipid pattern and plasma insulin, in diabetics with gallstones (*letter*), **339**
Lithotripsy, extracorporeal shock wave, gall stones, in vitro comparison between electrohydraulic and piezoceramic device, **312**
Liver
abscesses, Hodgkin's disease presenting as (*case report*), **959**
and biliary tract, cystic disease, **S116**
neoplastic disease, advances, **S104**
cancer, and glutathione S-transferases, **1546**
in chronic pancreatitis, morphological and immunohistochemical analysis, **1386**
disease, azathioprine induced (*case report*), **715**
chronic, non-alcoholic, and amenorrhoea, **202**
and ursodeoxycholic acid (*progress report*), **1061**
immunological aspects, **S40**
in infancy: 20 year perspective, **S123**
failure, acute, *see* Acute liver failure
and growth factors (*leading article*), **601**
regeneration in relationship to acute liver failure, **S92**
transplantation, advancements in last 25 years, **S79**
donor with haemochromatosis, and inherited intrahepatic defect (*case report*), **1082**
foreword, **S79**
orthotopic, endoscopic retrograde cholangiopancreatography after, **419**
see also Hepatic
Liver Unit, King's College Hospital, **S7**
history and development, **S8**
see also Williams, Roger
LOBO-YEO A *see* HODGES S *et al*
LOFBERG R, BROSTROM O, KARLEN P, OST A and TRIBUKAIT B: Carcinoma and DNA aneuploidy in Crohn's colitis - a histological and flow cytometric study, **900**
see also BROSTROM O *et al*
LOGAN RFA and DANESHMEND TK: Sedation for upper gastrointestinal endoscopy (*letter*), **832**
see also BELL GD *et al*: DANESHMEND TK *et al*: KATSCHINSKI BD *et al*
LOGAN RPH, MISIEWICZ JJ and DILL S: 13C-urea breath test for *Helicobacter pylori* infection (*letter reply*), **551**
POLSON RJ, MISIEWICZ JJ, RAO G, KARIM NQ, NEWELL D, JOHNSON P, WADSWORTH J, WALKER MM, and BARON JH: Simplified single sample 13Carbon urea breath test for *Helicobacter pylori*: comparison with histology, culture, and ELISA serology, **1462**
LOIZOU LA and BOWN SG: Endoscopic treatment for bleeding peptic ulcers: randomised comparison of adrenaline injection and adrenaline injection + Nd:YAG laser photocoagulation, **1100**
LOMBARD M, FARRANT M, KARANI J, WESTABY D, and WILLIAMS R: Improving biliary-enteric drainage in primary sclerosing cholangitis: experience with endoscopic methods, **1364**
see also NEUBERGER J *et al*
LONG RG *see* SMITH JA *et al*
LONNROTH I *see* TORRES J *et al*
LONROTH H: Ultrastructural demonstration of histamine in human enterochromaffin like cell granules (*letter*), **834**
LOOF L *see* BURMAN P *et al*: LAVO B *et al*
Loperamide, absorptive and motor components of antidiarrhoeal action, pigs, **1355**
Lorglumide, effect on pancreatic enzyme secretion, **215**
LOSOWSKY MS *see* MAHON J *et al*: THORNTON JR and LOSOWSKY MS: ZAMAN A *et al*
LOUIS E *see* DELWAIDE J *et al*
'Low sodium' diuresis and ileal loss, in patients with ileostomies, effect of desmopressin, **649**
LOWDER J *see* SENJU M *et al*
LOWE J *see* MANSELL PI *et al*
Lower oesophageal sphincter relaxation, and raised cyclic nucleotide content, **4**
LOWES JR *see* SNOOK JA *et al*
LOWIS C *see* TOMLIN J *et al*
LUBCKE R, BRUNNER J, HUTCHESON FA, and BARBEZAT GO: Only pharmacological doses of atrial natriuretic peptide affect intestinal ion transport in non-volume expanded rats, **1117**
see also BRUNNER J *et al*
LUK CT *see* HUI WM *et al*
LUNDBERG C *see* SCHOENBERG MH *et al*
Lymphangioma, benign, of jejunal mesentery, unusual cause of small bowel obstruction, **1568**
Lymphocytes
peripheral blood, flow cytometric analysis, in ulcerative colitis and Crohn's disease, **779**
subpopulations in pelvic ileal pouches, **1160**
Lymphocytic gastritis and Menetrier's disease, **1565**
LYNCH S *see* MIROS M *et al*
LYONS B *see* SUNDARESAN M *et al*

McCABE P *see* PARK RHR *et al*
McCALLUM RW *see* FREIDIN N *et al*
McCLOY RF *see* BELL GD *et al*
McCOLL I *see* TAYLOR PR *et al*
McCOLL KEL *see* ALLISON MC *et al*: CHITTAJALLU RS *et al*: EL NUJUMI AM *et al*: NEITHERCUT WD *et al*
McCORMICK PA, SANKEY EA, CARDIN F, DHILLON AP, McINTYRE N and BURROUGHS AK: Congestive gastropathy and *Helicobacter pylori*: an endoscopic and morphometric study, **351**
McDONAGH JE, NATHAN VV, BONAVIA IC, MOYLE GR and TANNER AR: Caffeine clearance by enzyme multiplied immunoassay technique: a simple, inexpensive, and useful indicator of liver function, **681**
MACDONALD AMI *see* CHITTAJALLU RS *et al*
McDONALD C *see* GAWKRODGER DJ *et al*
MACDONALD TT: Interleukin-2 receptor expression (*letter*), **456**
see also MURCH SH *et al*
MacDOUGALL, Brian, an appreciation, **231**
MacDOUGALL BRD, WESTABY D, and BLENDIS LA: Portal hypertension - 25 years of progress, **S18**
McFADYEN M *see* KELLY D *et al*
McFARLANE IG, EDDLESTON ALWF, SMITH PM, and THOMPSON RPH: History and development of the Liver Unit, **S8**
see also JOHNSON PJ and McFARLANE IG
McGARITY BH, ROBERTSON DAF, CLARKE IN, and WRIGHT R: Deoxyribonucleic acid amplification and hybridisation in Crohn's disease using a chlamydial plasmid probe, **1011**
see also HABER PS *et al*
McGARRITY TJ, PEIFFER LP, and BILLINGSLEY ML: Interspecies comparison of calmodulin binding proteins throughout the gastrointestinal tract: comparison with human colon adenomas and adenocarcinomas, **1121**
McINTYRE N *see* McCORMICK PA *et al*
MacMAHON M, COURTNEY MG, DOYLE JS, and LEADER M: Angiodysplasia and ileal carcinoid (*case report*), **1426**
McMAHON MJ *see* BANKS RE *et al*
McMAHON RF *see* GLEESON D *et al*
McMASTER P *see* O'CONNOR HJ *et al*
McNULTY J, CHUA A, KEATING J, AH-KION S, WEIR DG, and KEELING PWN: Dissolution of cholesterol gall stones using methylterbutyl ether: a safe effective treatment, **1550**
MACROBERT AJ *see* BARR H *et al*
Macrophage subpopulations in pelvic ileal pouches, **1160**
MADDERN GJ, JAMIESON GG, MYERS JC and COLLINS PJ: Effect of cisapride on delayed gastric emptying in gastro-oesophageal reflux disease, **470**
see also CUNNINGHAM KM *et al*
MADDREY W C: The Liver Unit at King's College, **S7**
MADSEN T *see* KRUSE-ANDERSEN S *et al*
MAGNUSSON K-E *see* MAGNUSSON M *et al*
MAGNUSSON M, MAGNUSSON K-E, SUNDQVIST T and DENNEBERG T: Impaired intestinal barrier function measured by differently sized polyethylene glycols in patients with chronic renal failure, **754**
MAHAJAN R *see* ZARGAR SA *et al*
MAHER L *see* HOWARD PJ *et al*
MAHIDA YR: Interleukin-2 receptor expression (*letter*), **456**
KURLAC L, GALLAGHER A, and HAWKEY CJ: High circulating concentrations of interleukin-6 in active Crohn's disease but not ulcerative colitis, **1531**
LAMMING CED, GALLAGHER A, HAWTHORNE AB and HAWKEY CJ: 5-Aminosalicylic acid is a potent inhibitor of interleukin 1a production in organ culture of colonic biopsy specimens from patients with inflammatory bowel disease, **50**
see also SENJU M *et al*
MAHON J, BLAIR GE, WOOD GM, SCOTT BB, LOSOWSKY MS, and HOWDLE PD: Is persistent adenovirus 12 infection involved in coeliac disease? A search for viral DNA using the polymerase chain reaction, **1114**
MAITRE F *see* BION E *et al*
MAKI M, HOLM K, COLLIN P, and SAVILAHTI E: Increase in gamma/delta T cell receptor bearing lymphocytes in normal small bowel mucosa in latent coeliac disease (*case report*), **1412**

MALIK ZP *see* MOSS MT *et al*
MANABE T *see* NONAKA A *et al*
MANGNALL YF *see* KERRIGAN DD *et al*
MANI V *see* RILEY SA *et al*
MANOHAR A and SIMJEE AE: Peritoneal tuberculosis (*letter*), **457**
Manometry and pH monitoring, provision of facilities, in oesophageal disease (*special report*), **106**
MANSELL PI, TATTERSALL RB, BALSITIS M, LOWE J and SPILLER RC: Megaduodenum due to hollow visceral myopathy successfully managed by duodenoplasty and feeding jejunostomy (*case report*), **334**
MANTLE M, ATKINS E, KELLY J, THAKORE E, BURET A, and GALL DG: Effects of *Yersinia enterocolitica* infection on rabbit intestinal and colonic goblet cells and mucin: morphometrics, histochemistry, and biochemistry, **1131**
MARCUS H *see* DINARI G *et al*
MARDH S *see* BURMAN P *et al*
MARKS IN *see* LINGENFELSER TH and MARKS IN
MARKS KJ *see* SITAS F *et al*
MARQUET RL *see* MEIJSSEN MAC *et al*: SAAT RE *et al*
MARSH MN *see* MAYER M *et al*
MARTENS MFWC and HENDRIKS Th: Postoperative changes in collagen synthesis in intestinal anastomoses of the rat: differences between small and large bowel, **1482**
MARTIN DF: Wire guided balloon assisted endoscopic biliary stent exchange, **1562**
see also MAXTON DG *et al*
MARTINEZ-DUNCKER C *see* MONS J *et al*
MARUOKA A *see* AKAHOSHI K *et al*
MASON RC *see* TAYLOR PR *et al*
MASON RR *see* NUSSINSON E *et al*
MATHAI JT *see* STRANKS GJ *et al*
MATHIEU-DAUDE JC *see* DUCLOS B *et al*
MATTHEWS N *see* SRIVASTAVA ED *et al*
MAUMENEE IH *see* GIARDIELLO FM *et al*
MAXTON DG, MARTIN DF, WHORWELL PJ and GODFREY M: Abdominal distension in female patients with irritable bowel syndrome: exploration of possible mechanisms, **662**
MORRIS J and WHORWELL PJ: More accurate diagnosis of irritable bowel syndrome by the use of 'non-colonic' symptomatology, **784**
MAY L *see* HAYES PC *et al*
MAYER M, GRECO L, TRONCONE R, AURICCHIO S and MARSH MN: Compliance of adolescents with coeliac disease with a gluten free diet, **881**
MAZZACCA G *see* D'AGOSTINO L *et al*
Megaduodenum due to hollow visceral myopathy, successfully managed by duodenoplasty and feeding jejunostomy (*case report*), **334**
Megarectum and megacolon, idiopathic, colectomy for, **1538**
MEIJER CJLM *see* SELDENRIJK CA *et al*
MEIJER JL *see* VEENENDAAL RA *et al*
MEIJSSEN MAC, HEINEMAN E, DE BRUIN RWF, VEEZE HJ, BIJMAN J, DE JONGE HR, TEN KATE FJW, MARQUET RL, and MOLENAAR JC: Value of in vivo electrophysiological measurements to evaluate canine small bowel autotransplants, **1329**
MEKHJIAN H *see* SUTHERLAND L *et al*
MELA GS *see* SAVARINO V *et al*
Melanoma, primary malignant, oesophagus, case report and review of surgical pathology, **828**
MELSEN F *see* BISBALLE S *et al*
MELVILLE G *see* PURCELL P *et al*
MENDES EN *see* QUEIROZ DMM *et al*
Menetrier's disease and lymphocytic gastritis, **1565**
MENZIES IS *see* BJARNASON I *et al*: JENKINS AP *et al*
MERKI H *see* MEYER-WYSS B *et al*
MERRICK MV *see* WILLIAMS AJK *et al*
Mesenteric blood flow, postprandial, regulation, cholinergic nervous reflex evidence, **361**: (*letter*), **1428**
Metachronous occurrence of collagenous colitis and ulcerative colitis (*case report*), **447**
Methane producing bacteria, predominance, and competition for hydrogen by faecal bacteria, **1498**
Methylterbutyl ether, for dissolution of cholesterol gall stones, safe effective treatment, **1550**
Metronidazole, in Crohn's disease, double blind, placebo controlled trial (*clinical trial*), **1071**
MEUWISSEN SGM *see* SELDENRIJK CA *et al*
MEYER B, WERTH B, BEGLINGER C, DILL S, DREWE J, VISCHER WA, EGGERS RH, BAUER FE and STALDER GA: *Helicobacter pylori* infection in healthy people: a dynamic process?, **347**
MEYER ZUM BUSCHENFELDE K-H, *see* KLINGEL R *et al*
MEYER-WYSS B, BEGLINGER C, BASELGIA L, MERKI H, and RENNER E: *Helicobacter pylori* infection in healthy people (*letter*), **1429**
MICHEL H *see* DUCLOS B *et al*
MICHETTI P *see* COCCIA G *et al*
MIELI-VERGANI G, HOWARD ER, and MOWAT AP: Liver disease in infancy: a 20 year perspective, **S123**
MIGLIOLI M *see* CAMPIERI M *et al*: GIONCHETTI P *et al*
MIGNON M *see* RIGAUD D *et al*
MIKUZ G *see* WEGER AR *et al*
MILLA PJ *see* HILL SM *et al*
MILLARD PR *see* DE SILVA HJ *et al*
MILLER KJ *see* SCHOLEFIELD JH *et al*
MILNE A *see* NEITHERCUT WD *et al*
MILTON JD *see* RAOUF A *et al*
MINE K *see* TANAKA Y *et al*
MION F, NAPOLEON B, BERGER F, CHEVALLIER M, BONVOISIN S and DESCOS L: Azathioprine induced liver disease: nodular regenerative hyperplasia of the liver and perivenous fibrosis in a patient treated for multiple sclerosis (*case report*), **715**
MIRAKIAN R *see* HILL SM *et al*
MIREYLEES SE *see* SMITH JA *et al*
MIROS M, KERLIN P and WALKER N: Only patients with dysplasia progress to adenocarcinoma in Barrett's oesophagus, **1441**
WALKER N, HARPER J, LYNCH S, and STRONG R: Predicting cholangiocarcinoma in patients with primary sclerosing cholangitis before transplantation, **1369**
MISAWA T *see* AKAHOSHI K *et al*
MISHIMA N *see* TANAKA Y *et al*
MISIEWICZ JJ *see* LOGAN RPH *et al*
Misoprostol, and increased gastric output of pancreatic secretory trypsin inhibitor, **1396**
MITCHELL IC and TURK JL: Observations on the Kveim reaction using an animal model of granulomatous bowel disease, **159**
MITCHISON HC, AL MARDINI H, GILLESPIE S, LAKER M, ZAITOUN A and RECORD CO: A pilot study of fluticasone propionate in untreated coeliac disease, **260**
MITTAL RK *see* FREIDIN N *et al*
MITTELSTAEDT P *see* KLINGEL R *et al*
MOGI Y *see* KOHDA K *et al*
MOHAMED AE *see* RIEDEL L *et al*
MOLAS G *see* MOSNIER JF *et al*
MOLENAAR JC *see* MEIJSSEN MAC *et al*
MOLLER H and TOFTGAARD C: Cancer occurrence in a cohort of patients surgically treated for peptic ulcer, **740**
MONES J, CARRIO I, ROCA M, ESTORCH M, CALABUIG R, SAINZ S, MARTINEZ-DUNCKER C and VILARDELL F: Gastric emptying of two radiolabelled antacids, **147**
Monoamines, central, plasma precursor amino acids, in coeliac disease, **1478**
MONTALTO G *see* CARROCCIO A *et al*
MOONEY C, KEENAN J, MUNSTER D, WILSON I, ALLARDYCE R, BAGSHAW P, CHAPMAN B and CHADWICK V: Neutrophil activation by *Helicobacter pylori*, **853**
MOORE KP *see* WILKINSON SP *et al*
MORGAN AP *see* GOTLEY DC *et al*
MORITA K *see* KOHDA K *et al*
MOROZ C *see* DINARI G *et al*
MORRIS AJ, HOWDEN CW, ROBERTSON C, DUNCAN A, TORLEY H, STURROCK RD, and RUSSELL RI: Increased intestinal permeability in ankylosing spondylitis primary lesion or drug effect?, **1470**
MORRIS DL *see* HARRISON JD and MORRIS DL
MORRIS J *see* MAXTON DG *et al*
MORRIS P *see* BARDHAN KD *et al*
MORSON BC *see* SELDENRIJK CA *et al*
MORTENSEN N *see* DE SILVA HJ *et al*
MORTENSEN NJ *see* DE SILVA HJ *et al*
MORTENSEN PB *see* CLAUSEN MR *et al*
MOSEKILDE L *see* BISBALLE S *et al*
MOSNIER JF, FLEJOU JF, AMOUYAL G, GAYET B, MOLAS G, HENIN D, and POTET F: Hypertrophic gastropathy with gastric adenocarcinoma: Menetrier's disease and lymphocytic gastritis, **1565**
MOSS MT, GREEN EP, TIZARD ML, MALIK ZP, HERMON-TAYLOR J: Specific detection of *Mycobacterium paratuberculosis* by DNA hybridisation with a fragment of the insertion element IS900, **395**
Motility, gastrointestinal, fasting, role in variability of gastrointestinal transit time assessed by hydrogen breath test, **1127**
MOUNTFORD RA *see* HEATON KW *et al*
MOUWEN JMVM *see* HENDRIKS HGCJM *et al*
MOWAT AP *see* MIELI-VERGANI G *et al*
MOYLE GR *see* MCDONAGH JE *et al*
Mr 40 000 protein(s), colon specific, with relevance to ulcerative colitis, experimental animals, **504**
Mucosa
duodenal, cultured in vitro, trophic action of epidermal growth factor, **991**
gastric, histamine concentration in *H. pylori* children, **464**
heterotopic gastric, incidence in upper oesophagus, **968**
Mucosal damage
in Crohn's disease, postheparin plasma diamine oxidase values in assessment, **932**
intestinal, *Clostridium difficile* toxin A induces specific antisecretory factor which protects against, **791**
Mucosal tumour necrosis factor alpha, and interleukin-6, in *Helicobacter pylori* associated gastritis, **1473**

Mucus glycoproteins
colonic, purified, ion exchange chromatography, inflammatory bowel disease, **1139**
marker for gastric cancer, **1465**
MULDER TPJ, VERSPAGET HW, JANSSENS AR, DE BRUIN PAF, PENA AS, and LAMERS CBHW: Decrease in two intestinal copper/zinc containing proteins with antioxidant function in inflammatory bowel disease, **1146**
Multiple sclerosis, and azathioprine induced liver disease (*case report*), **715**
MUNSTER D *see* MOONEY C *et al*
MURCH SH, LAMKIN VA, SAVAGE MO, WALKER-SMITH JA and MACDONALD TT: Serum concentrations of tumour necrosis factor alpha in childhood chronic inflammatory bowel disease, **913**
MURPHY G *see* HALL PA *et al*
MURPHY GM *see* HOWARD PJ *et al*: TAYLOR PR *et al*
MURPHY JJ *see* GERAGHTY JG *et al*
MURRAY-LYON I *see* NEUBERGER J and MURRAY-LYON I
MURRAY-LYON IM *see* FORBES A and MURRAY-LYON IM
MUSICCO M *see* PARENTE F *et al*
Mycobacterium paratuberculosis
and Crohn's disease, **43**
specific detection by DNA hybridisation with a fragment of insertion element IS900, **395**
MYERS JC *see* CUNNINGHAM KM *et al*: MADDERN GJ *et al*
MYRHOJ T *see* BOESBY S *et al*

NACCARATO R *see* FARINATI F *et al*
NAESDAL J *see* BARDHAN KD *et al*: BURMAN P *et al*
NAGASUE N *see* CHANG Y-C *et al*
NAGENGAST FM *see* PETERS WHM *et al*
NAIK I *see* RIEDEL L *et al*
NAKAGAWA T *see* TANAKA Y *et al*
NAKAI Y *see* TANAKA Y *et al*
NAKAMURA T *see* CHANG Y-C *et al*
NAPOLEON B *see* MION F *et al*
NATHAN VV *see* MCDONAGH JE *et al*
NAWATA H *see* AKAHOSHI K *et al*
NEALE G *see* FLORIN T *et al*
Necrotic nodules of the liver, 'solitary', aetiology reaffirmed, **1378**
NEITHERCUT WD, MILNE A, CHITTAJALLU RS, EL NUJUMI AM, and McCOLL KEL: Detection of *Helicobacter pylori* infection of the gastric mucosa by measurement of gastric aspirate ammonium and urea concentrations, **973**
see also CHITTAJALLU RS *et al*: EL NUJUMI AM *et al*
NELSON DK, SARR MG, and GO VLW: In vivo neural isolation of the canine jejunoileum: temporal adaptation of enteric neuropeptides, **1336**
NEOPTOLEMOS JP, HUSBAND D, IMRAY C, ROWLEY S and LAWSON N: Arachidonic acid and docosahexaenoic acid are increased in human colorectal cancer, **278**
see also NICHOLSON ML *et al*
Nephropathy, IgA, in non-cirrhotic portal hypertension (*case report*), **225**
NEUBERGER J, LOMBARD M, and GALBRAITH R: Primary biliary cirrhosis, **S73**
and MURRAY-LYON I: Introduction, **S3**
NEUBERGER JM *see* O'CONNOR HJ *et al*
Neurochemistry of hepatic encephalopathy (*leading article*), **1261**
Neuroendocrine tumours of gastroenteropancreatic endocrine system, proliferative activity, DNA flow cytometry and immunohistology, **949**
Neutrophil
activation by *Helicobacter pylori*, **853**
involvement in postischaemic damage to small intestine, **905**
NEVALAINEN T *see* HAKKINEN I *et al*
NEWBOULD MJ *see* GLEESON D *et al*
NEWELL D *see* LOGAN RPH *et al*
NICHOLSON ML, NEOPTOLEMOS JP, CLAYTON HA, TALBOT IC and BELL PRF: Increased cell membrane arachidonic acid in experimental colorectal tumours, **413**
Nicotine induced gastric injury, protective effects of sucralfate and feeding, rats, **372**
NIEBEL W *see* DE JONG AJL *et al*
Nifedipine, sublingual, and pneumatic dilatation compared, in oesophageal achalasia, **604**
NIITSU Y *see* KOHDA K *et al*
NIJS HGT *see* VERGUNST H *et al*
NILSSON B *see* LAVO B *et al*
NILSSON EKDAHL K, *see* LAVO B *et al*
NILSSON UR *see* LAVO B *et al*
NITSCHE R and FOLSCH UR: Retained bile duct stones in a patient with Billroth II gastrectomy: extracorporeal shock wave lithotripsy and papillary dilatation via T tube (*case report*), **329**
NIV Y: Gastric acid and urinary acid excretion (*letter*), **339**
Nizatidine, negative chronotropic effects, **630**
NOLAN DJ *see* CHEW CN *et al*
'Non-colonic' symptomatology, in more accurate diagnosis of irritable bowel syndrome, **784**
Non-steroidal anti-inflammatory drug(s)
-associated gastric and duodenal ulcers, ranitidine, **252**: (*letter*), **963**
increased small intestinal permeability, importance of local *versus* systemic effects, man, **275**
-induced enteropathy (*letter*), **338**
possibly increase colonic permeability, **66**
and upper gastrointestinal bleeding, **730**
NONAKA A, MANABE T and TOBE T: Effect of a new synthetic ascorbic acid derivative as a free radical scavenger on the development of acute pancreatitis in mice, **528**
NORDBACK I and HARJU E: Immediate effect of vagotomy on pancreatic insulin secretion, **303**
NORTHFIELD TC *see* DE CAESTECKER JS *et al*
NORTHOVER JMA *see* SCHOLEFIELD JH *et al*
NOTARBARTOLO A *see* CARROCCIO A *et al*
Notes, **232**, **341**, **460**, **552**, **724**, **836**, **964**, **1088**, **1202**, **1431**
NOVENTA F *see* FATTOVICH G *et al*
Nucleation time of gall bladder bile in gall stone patients, influence of bile acid treatment, **1554**
NUKAJAM WS *see* JENKINS AP *et al*
NUSSINSON E, CAIRNS SR, VAIRA D, DOWSETT JF, and MASON RR: A 10 year single centre experience of percutaneous and endoscopic extraction of bile duct stones with T tube in situ, **1040**
Nutritional support, in liver disease, **S29**
NWOKOLO CU, SMITH JTL, SAWYERR AM, and POUNDER RE: Rebound intragastric hyperacidity after abrupt withdrawal of histamine H2 receptor blockade, **1455**
NYHLIN H *see* DANIELSSON A *et al*
NZEGWU H and LEVIN RJ: Vitamin A deficiency and small intestinal secretory function in the rat, **1324**

Obstructive jaundice, malignant, palliation, surgery or stent (*letter*), **833**
O'CONNOR HJ, VICKERS CR, BUCKELS JAC, McMASTER P, NEUBERGER JM, WEST RJ and ELIAS E: Role of endoscopic retrograde cholangiopancreatography after orthotopic liver transplantation, **419**
ODES HS, FRASER D, KRUGLIAK P, FENYVES D, FRASER GM, and SPERBER AD: Inflammatory bowel disease in the Bedouin Arabs of southern Israel: rarity of diagnosis and clinical features, **1024**
O'DWYER PJ *see* GERAGHTY JG *et al*
OEFNER D *see* WEGER AR *et al*
Oesophageal
achalasia, pneumatic dilatation and sublingual nifedipine compared, **604**
cancer, TN staging, evaluation of endosonography, **16**
disease, provision of facilities for manometry and pH monitoring (*special report*), **106**
and skin disease coexisting (*progress report*), **694**: (*letter*), **1569**
manometry, and oesophageal motility during eating, **1264**
peristalsis, power, voluntary control, **236**
pH monitoring, continuous, glass and antimony electrodes compared, **708**
twelve hour overnight, in reflux symptoms, **10**
reflux disease, cimetidine and alginic acid combined, improved treatment (*special report*), **819**
strictures, self-dilatation, **1076**
Oesophagitis, reflux, alkaline (*leading article*), **1090**
Oesophagography and AIDS (*letter*), **340**
Oesophagus
primary malignant melanoma, case report and review of surgical pathology, **828**
upper, incidence of heterotopic gastric mucosa, **968**
OETTLE GJ: Effect of moderate exercise on bowel habit, **941**
OFFERHAUS GJA *see* GIARDIELLO FM *et al*
O'GRADY JG and PORTMANN B: Liver transplantation, **S79**
OHKUBO A *see* AKAHOSHI K *et al*
OHWADA M *see* KOHDA K *et al*
O'KEEFE SJD *see* SILK DBA *et al*
Olive oil, incorporation of fatty acids into colonic mucosal lipids, inflammatory bowel disease, **1151**
Olsalazine, effect on jejunal and ileal water and electrolyte absorption in normal human subjects, **270**
O'MAHONY S, ARRANZ E, BARTON JR and FERGUSON A: Dissociation between systemic and mucosal humoral immune responses in coeliac disease, **29**
see also GAWKRODGER DJ *et al*: SRIVASTAVA ED *et al*
Omeprazole
or continued H2 receptor antagonists, in treatment of refractory peptic ulcer (*clinical trial*), **435**
in gastric and duodenal ulcers (*letter*), **721**
weekend treatment, evaluation of pH, gastrin and pepsinogens, **977**
ONG CL, WONG TH and RAUFF A: Acute gall bladder perforation – a dilemma in early diagnosis (*case report*), **956**
Oral rehydration solution, ideal, search for, studies in model of secretory diarrhoea, **1314**
OREN R *see* ILAN Y *et al*
Organ culture, validation in colonic adaptation to surgical manipulation, **1027**
ORMSBEE HS *see* BARNETTE MS *et al*

ORNTOFT TF, GREENWELL P, CLAUSEN H and WATKINS WM: Regulation of the oncodevelopmental expression of type 1 chain AJBH and Lewis^b blood group antigens in human colon by alpha-2-L-fucosylation, **287**
Orocaecal transit time, modulation by hypnosis, **393**
OST A *see* LOFBERG R *et al*
Osteomalacia after gastrectomy, **1303**
Osteopenia after gastrectomy, **1303**
OTT HW: Long-term maintenance therapy with sucralfate (*letter reply*), **723**
OTTO HF *see* VON HERBAY A *et al*
OWEN RW *see* APPLETON GVN *et al*: GOTLEY DC *et al*
OZSOYLU S, KOCAK N and AKGUN N: Zinc deficiency in cirrhosis (*letter*), **458**

PACE F, SANTALUCIA F and BIANCHI PORRO G: Natural history of gastro-oesophageal reflux disease without oesophagitis, **845**
PAIN JA, GIMSON AES, WILLIAMS R and HOWARD ER: Focal nodular hyperplasia of the liver: results of treatment and options in management, **524**
PAL SC *see* DUTTA P *et al*
PALLONE F *see* FAIS S *et al*
PALMER KR *see* RAJGOPAL C and PALMER KR
Pancreatic
  amylase, selective deficiency (*case report*), **546**
  cancer, biology (*progress report*), **800**
    fine needle aspirates, quantitative nuclear DNA content, **325**
    see also Exocrine pancreatic function
  enzyme secretion, effect of lorglumide, **215**
  heterotopia, symptomatic, treated by local excision (*case report*), **332**
  insulin secretion, immediate effect of vagotomy, **303**
  neoplasia, experimental pancreaticobiliary diversion-induced rat, and human, molecular differences, **533**
  secretory trypsin inhibitor, gastric output increased by misoprostol, **1396**
PANCREATIC SOCIETY OF GREAT BRITAIN AND IRELAND: 15th Annual Meeting, Manchester, November 1990, abstracts, **A342**
Pancreatitis
  acute, alpha-2 macroglobulin state, **430**
    effect of CV 3611 on development, mice, **528**
  alcoholic, alpha1 antitrypsin phenotypes, **945**
  chronic, and diet and alcohol consumption, statistics, England and Wales, 1960-88, **1401**
    limitations of faecal chymotrypsin as screening test, **321**: (*letter*), **1570**
    morphological and immunohistochemical analysis of liver, **1386**
    tobacco as risk factor, **1392**
Pancreatobiliary diversion, and cholecystokinin antagonist inhibition, **1049**
PANNALL PR *see* RAMAKRISHNA BS *et al*
PANOS MZ, ANDERSON JV, FORBES A, PAYNE N, SLATER JDH, REES L and WILLIAMS R: Human atrial natriuretic factor and renin-aldosterone in paracetamol induced fulminant hepatic failure, **85**
PAOLAGGI JA *see* ROSEAU G and PAOLAGGI JA
PAPACHRYSOSTOMOU M *see* KAWIMBE BM *et al*
Papillomavirus, human, type 16 DNA, in anal cancers from six different countries, **674**
Paracetamol induced fulminant hepatic failure, atrial natriuretic factor and renin-aldosterone, **85**
PARENTE F, CERNUSCHI M, VALSECCHI L, RIZZARDINI G, MUSICCO M, LAZZARIN A, and BIANCHI PORRO G: Acute upper gastrointestinal bleeding in patients with AIDS: a relatively uncommon condition associated with reduced survival, **987**
PARIENTE EA *see* BION E *et al*
PARK RHR, McCABE P, FELL GS, and RUSSEL RI: Wilson's disease in Scotland, **1541**
PARKER N *see* RAOUF A *et al*
PARTANEN P *see* HAKKINEN I *et al*
PASSIVUO R *see* HAKKINEN I *et al*
PATIL DH *see* RAIMUNDO AH *et al*
PATTERSON CC *see* KEE F *et al*
PAUMGARTNER G *see* SCHACHLER R *et al*
PAUWELS M *see* ROELS F *et al*
PAYNE N *see* PANOS MZ *et al*
PEARSON M *see* TEAHON K *et al*
PEART WS *see* SUTTERS M *et al*
PEDLEY S *see* SITAS F *et al*
PEIFFER LP *see* McGARRITY TJ *et al*
PELL ACH *see* GOULDESBROUGH DR and PELL ACH
Pelvic ileal pouches, mucosal characteristics, **61**
PENA AS *see* MULDER TPJ *et al*: VEENENDAAL RA *et al*
Pepsinogen I, serum concentrations, peptic ulcer, relation to location and stage, **849**
Peptic ulcer
  bleeding, endoscopic injection sclerosis as effective treatment, **727**
    endoscopic treatment, randomised comparison of adrenaline injection and adrenaline injection + Nd:YAG laser photocoagulation, **1100**
    medical treatment, old drugs, new regimens (*letter*), **1429**
  cancer occurrence in cohort of patients surgically treated, **740**
  disease, absence of antibodies stimulating histamine sensitive adenylate cyclase of gastric mucosal cells, **620**
  refractory, treatment with omeprazole or continued H2 receptor antagonists (*clinical trial*), **435**
Peptic ulceration, and duodenocaval fistula (*case report*), **452**
Periaortitis, chronic, presenting as common bile duct obstruction (*case report*), **713**
Peritoneal tuberculosis (*letter*), **457**
Peroxisomes, different types in human duodenal epithelium, **858**
PERRY LA *see* KAMM MA *et al*
PERSSON H *see* DANIELSSON A *et al*
PERSSON P *see* AXELSON J *et al*
PETERS AM *see* CARPANI DE KASKI M *et al*
PETERS TJ *see* GOODLAD RA *et al*
PETERS WHM, KOCK L, NAGENGAST FM and KREMERS PF: Biotransformation enzymes in human intestine: critical low levels in the colon?, **408**
PETERSEN H *see* WALDUM HL *et al*
PETRILLO M *see* BARDHAN KD *et al*
PETRONI ML *see* DE CAESTECKER JS *et al*
pH
  gastrointestinal intraluminal (*letter*), **1087**
  monitoring, ambulatory, ion sensitive field effect transistor pH electrode, **240**
  monitoring and manometry, provision of facilities, in oesophageal disease (*special report*), **106**
Phaseolus vulgaris isolectins, pathological effects on pig jejunal mucosa in organ culture, **886**
Phenol, impaired sulphation by colonic mucosa, in quiescent and active ulcerative colitis, **46**: (*letter*), **963**
Phenotypic markers, combined, in identifying inheritance of familial adenomatous polyposis, **1170**
PHILLIPS AD *see* HILL SM *et al*: SANDERSON IR *et al*
PHILLIPS DIM *see* SRIVASTAVA ED *et al*
Physical activity at work, and duodenal ulcer risk, **983**
PIGNATA S *see* D'AGOSTINO L *et al*
PINDER IF *see* COPE GF *et al*
PIROLA RC *see* HABER PS *et al*
PLAYFORD RJ, BATTEN JJ, FREEMAN TC, BEARDSHALL K, VESEY DA, FENN GC, BARON JH, and CALAM J: Gastric output of pancreatic secretory trypsin inhibitor is increased by misoprostol, **1396**
POCH B *see* SCHOENBERG MH *et al*
POLANCO I *see* HERNANZ A and POLANCO I
POLSON RJ *see* LOGAN RPH *et al*
POLYDOROU AA, CAIRNS SR, DOWSETT JF, HATFIELD ARW, SALMON PR, COTTON PB and RUSSELL RCG: Palliation of proximal malignant biliary obstruction by endoscopic endoprosthesis insertion, **685**
Polyethylene glycols, differently sized, in measurement of impaired intestinal barrier function in chronic renal failure, **754**
Polyps, colorectal, malignant, venous invasion and successful treatment by endoscopic polypectomy, **774**
PONTISSO P *see* FATTOVICH G *et al*
POPE RM *see* CUNDY TF *et al*
Portal hypertension
  25 years of progress, **S18**
  cirrhotic and non-cirrhotic, frequency of anorectal varices, **309**
  non-cirrhotic, IgA nephropathy in (*case report*), **225**
  sinusoidal, in hepatic amyloidosis (*case report*), **227**
PORTMAN B *see* O'GRADY JG and PORTMANN B
Postheparin plasma diamine oxidase values in follow up of Crohn's disease, **932**
Postischaemic damage to small intestine, involvement of neutrophils, **905**
POSTON GJ, GILLESPIE J and GUILLOU PJ: Biology of pancreatic cancer (*progress report*), **800**
  see also WONG K *et al*
POTET F *see* MOSNIER JF *et al*
POUNDER RE *see* NWOKOLO CU *et al*
POWELL K *see* BELL GD *et al*
Precursor amino acids, plasma, of central nervous system monoamines in children with coeliac disease, **1478**
Prednisolone, rectal, effect on rectal biopsy morphometry, ulcerative colitis, **183**
Pregnancy, and Crohn's disease, elemental diet in management (*case report*), **1079**
PREISIG R and BRADLEY S: May Roger roll on..., **S5**
Pressure-volume characteristics of rectum (*letter*), **831**
PRICE WJ *see* BARNETTE MS *et al*
PRIDDLE JD *see* SNOOK JA *et al*
Primary biliary cirrhosis, **S73**
Primary sclerosing cholangitis
  aetiology and natural history (*leading article*), **1433**
  before transplantation, predicting cholangiocarcinoma, **1369**
  gall bladder lesion in, histological and immunohistochemical study, **424**
  improving biliary-enteric drainage, endoscopy, **1364**
PRINCE C *see* DE SILVA HJ *et al*

PRIOR A, FEARN UJ, and READ NW: Intermittent rectal motor activity: a rectal motor complex?, **1360**
Probiotics in human medicine (*progress report*), **439**
Procollagen carboxy terminal peptides, serum type I, measurement in scirrhous carcinoma of the stomach, **624**
PROKIPCHUK E *see* SUTHERLAND L *et al*
PROSSER S *see* BELL GD *et al*
Prostaglandin protects against bile salt induced increases in proton permeation of duodenal brush border membrane, **645**
Proteases in acute pancreatitis, and alpha2 macroglobulin state, **430**
Protein
effect on production of GABA by faecal *Escherichia coli*, **1007**
v amino acid based feed as sole treatment for Crohn's disease (*clinical trial*), **702**
Proximal malignant biliary obstruction, palliation by endoscopic endoprosthesis insertion, **685**
PRYDE A *see* HOWARD PJ *et al*
PUNCHARD NA *see* GREENFIELD SM *et al*
PURCELL P, HENRY D, and MELVILLE G: Diclofenac hepatitis, **1381**
Pyloric motility, stimulated by hyperglycaemia, normal subjects, **475**

QUEIROZ DMM, MENDES EN, ROCHA GA, BARBOSA AJA, CARVALHO AST and CUNHA-MELO JR: Histamine concentration of gastric mucosa in *Helicobacter pylori* positive and negative children, **464**
QUINN RJM *see* ROLLINS MD *et al*

Radiotherapy, for gynaecological cancer, chronic diarrhoea after, **1180**
RAFTER JJ *see* EJDERHAMN J *et al*
RAIMUNDO AH, PATIL DH, FROST PG and SILK DBA: Effects of olsalazine and sulphasalazine on jejunal and ileal water and electrolyte absorption in normal human subjects, **270**; correction, **552**
RAJA KB *see* GOODLAD RA *et al*
RAJGOPAL C and PALMER KR: Endoscopic injection sclerosis: effective treatment for bleeding peptic ulcer, **727**
RAMAKRISHNA BS, ROBERTS-THOMSON IC, PANNALL PR and ROEDIGER WEW: Impaired sulphation of phenol by the colonic mucosa in quiescent and active ulcerative colitis, **46**: (*letter*), **963**
Ranitidine
300 mg at night is better than 150 mg for maintenance treatment of duodenal ulceration in cigarette smokers, **151**
in non-steroidal anti-inflammatory drug associated gastric and duodenal ulcers, **252**: (*letter*), **963**
RANKIN G *see* SUTHERLAND L *et al*
RAO G *see* LOGAN RPH *et al*
RAO SSC: Sulphasalazine and gastrointestinal transit (*letter*), **1087**
RAOUF A, PARKER N, IDDON D, RYDER S, LANGDON-BROWN B, MILTON JD, WALKER R, and RHODES JM: Ion exchange chromatography of purified colonic mucus glycoproteins in inflammatory bowel disease: absence of a selective subclass defect, **1139**
RAOUF AH, HILDREY V, DANIEL J, WALKER RJ, KRASNER N, ELIAS E and RHODES JM: Enteral feeding as sole treatment for Crohn's disease: controlled trial of whole protein *v* amino acid based feed and a case study of dietary challenge (*clinical trial*), **702**
RASMUSSEN OO *see* SORENSEN M *et al*
RATHBONE BJ *see* SOBALA GM *et al*
RAUFF A *see* ONG CL *et al*
READ AE *see* HALL MJ *et al*
READ GD *see* BRAATVEDT GD *et al*
READ NW and SUN WM: Reflex anal dilatation: effect of parting the buttocks on anal function in normal subjects and patients with anorectal and spinal disease, **670**
see also COLLINS PJ *et al*: CUNNINGHAM KM *et al*: KERRIGAN DD *et al*: PRIOR A *et al*: RICHARDSON A *et al*: SUN WM *et al*: TOMLIN J *et al*
REALDI G *see* FATTOVICH G *et al*
RECORD CO: Neurochemistry of hepatic encephalopathy (*leading article*), **1261**
see also AL MARDINI H *et al*: MITCHISON HC *et al*: ZAITOUN AM *et al*
Rectal biopsies, morphometry, in ulcerative colitis, effect of 5-amino salicylic acid and rectal prednisolone, **183**
Rectal motor activity, intermittent, rectal motor complex?, **1360**
Rectum, pressure-volume characteristics (*letter*), **831**
Red cell membrane lipid peroxidation, inhibition by sulphasalazine and 5-aminosalicylic acid, **1156**
REED BD *see* EDDLESTON ALWF *et al*
REED WD *see* JEFFREY GP *et al*: SALLIE RW *et al*
REES AJ *see* SACKIER JM *et al*
REES L *see* PANOS MZ *et al*
REES M *see* RUSSELL AJ and REES M
Reflex anal dilatation, effect of parting the buttocks on anal function in normal subjects and patients with anorectal and spinal disease, **670**
Reflux oesophagitis
cisapride in healing and relapse prevention, **1280**
sleep and nocturnal acid reflux in, compared with normal subjects, **1275**
Reflux symptoms, twelve hour overnight oesophageal pH monitoring, **10**
REIHNER E *see* SAHLIN S *et al*
REMEDIOIS D, COPPEN M, BRADBEER J and THEODOSSI A: Chronic periaortitis presenting as common bile duct obstruction (*case report*), **713**
Renal failure
chronic, impaired intestinal barrier function measured by differently sized polyethylene glycols, **754**
plasma a endorphin, **306**
RENE E *see* RIGAUD D *et al*
Renin-aldosterone, and atrial natriuretic factor, in paracetamol induced fulminant hepatic failure, **85**
RENNER E *see* MEYER-WYSS B *et al*
RHODES J *see* SRIVASTAVA ED *et al*
RHODES JM *see* RAOUF AH *et al*
RIBEIRO MB *see* SUGITA A *et al*
RICHARDSON A, DELBRIDGE AT, BROWN NJ, RUMSEY RDE and READ NW: Short chain fatty acids in the terminal ileum accelerate stomach to caecum transit time in the rat, **266**
RIDDELL PS *see* CUNNINGHAM KM *et al*
RIECKEN EO *see* STALLMACH A *et al*: ZIEGLER K *et al*
RIEDEL L and SEGAL I: Limitations of faecal chymotrypsin as a screening test (*letter*), **1570**
WALKER ARP, SEGAL I, MOHAMED AE, SMYTH AE, DAYA B and NAIK I: Limitations of faecal chymotrypsin as a screening test for chronic pancreatitis, **321**
RIESE H-H *see* STALLMACH A *et al*
RIGAUD D, COSNES J, LE QUINTREC Y, RENE E, GENDRE JP, and MIGNON M: Controlled trial comparing two types of enteral nutrition in treatment of active Crohn's disease: elemental *v* polymeric diet, **1492**
RIIHELA M *see* LEIDENIUS M *et al*
RIKNER L *see* BARDHAN KD *et al*
RILEY SA, MANI V, GOODMAN MJ, DUTT S and HERD ME: Microscopic activity in ulcerative colitis: what does it mean?, **174**
MANI V and GOODMAN MJ: Why do patients with ulcerative colitis relapse? (*letter*), **832**
RIZZARDINI G *see* PARENTE F *et al*
ROBERTS-THOMSON IC *see* RAMAKRISHNA BS *et al*: ROEDIGER WEW and ROBERTS-THOMSON IC
ROBERTSON C *see* MORRIS AJ *et al*
ROBERTSON DAF *see* McGARITY BH *et al*
ROBINSON MHE and GEAR MWL: Self-dilatation of oesophageal strictures, **1076**
ROCA M *see* MONES J *et al*
ROCHA GA *see* QUEIROZ DMM *et al*
RODES J: A foreign view, **S6**
ROEDIGER WEW and ROBERTS-THOMSON IC: Conjugation of phenols in human colonocytes (*letter*), **963**
see also RAMAKRISHNA BS *et al*
ROELS F, ESPEEL M, PAUWELS M, DE CRAEMER D, EGBERTS HJA and VAN DER SPEK P: Different types of peroxisomes in human duodenal epithelium, **858**
ROKKAS T, FILIPE MI, and SLADEN GE: Detection of an increased incidence of early gastric cancer in patients with intestinal metaplasia type III who are closely followed up, **1110**
ROLANDO N and WYKE RJ: Infections, **A25**
ROLLINS MD, SHIELDS MD, QUINN RJM and WOOLDRIDGE MAW: Value of ultrasound in differentiating causes of peristent vomiting in infants, **612**
ROONEY N *see* HALL MJ *et al*
ROSEAU G and PAOLAGGI JA: Role of computed tomography, endoscopy, and echoendoscopy in the management of alimentary tract lipomas (*letter*), **112**
ROVATI LC *see* DE JONG AJL *et al*
ROWE-JONES DC *see* STRANKS GJ *et al*
ROWLEY S *see* NEOPTOLEMOS JP *et al*
RUGGE M *see* FARINATI F *et al*
RUMSEY RDE *see* RICHARDSON A *et al*
RUOL A *see* FATTOVICH G *et al*
RUSSEL RI *see* PARK RHR *et al*
RUSSELL AJ and REES M: Palliation of malignant obstructive jaundice - surgery or stent? (*letter*), **833**
RUSSELL RCG *see* HATFIELD ARW and RUSSELL RCG: POLYDOROU AA *et al*
RUSSELL RI *see* MORRIS AJ *et al*
RYDER S *see* RAOUF A *et al*

SAA-GANDI FW *see* DE FRIEND DJ *et al*
SAAT RE, DE BRUIN RWF, HEINEMAN E, JEEKEL J and MARQUET RL: Total orthotopic allogeneic small bowel transplantation in rats: effect of allograft irradiation combined with cyclosporine-A therapy, **654**
SACCONE GTP *see* THUNE A *et al*
SACHAR DB *see* SUGITA A *et al*

SACKIER JM, KELLY SB, CLARKE D, REES AJ, and WOOD CB: Small bowel haemorrhage due to cytomegalovirus vasculitis (*case report*), **1419**
SACKMANN M *see* SCHACHLER R *et al*
SAGGAR-MALIK AK *see* CUNDY TF *et al*
SAHLIN S, AHLBERG J, ANGELIN B, REIHNER E, and EINARSSON K: Nucleation time of gall bladder bile in gall stone patients: influence of bile acid treatment, **1554**
SAINZ S *see* MONES J *et al*
SALEHI N *see* GIBSON P *et al*
SALLIE RW, REED WD and SHILKIN KB: Confirmation of the efficacy of hepatic tissue iron index in differentiating genetic haemochromatosis from alcoholic liver disease complicated by alcoholic haemosiderosis, **207**
SALMON PR *see* POLYDOROU AA *et al*
SAMUELSSON S-M, EKBOM A, ZACK M, HELMICK CG, and ADAMI H-O: Risk factors for extensive ulcerative colitis and ulcerative proctitis: a population based case-control study, **1526**
SANDERS LD *see* WHITEHEAD C and SANDERS LD
SANDERSON IR, PHILLIPS AD, SPENCER J, and WALKER-SMITH JA: Response to autoimmune enteropathy to cyclosporin A therapy (*case report*), **1421**
SANDLE GI: Segmental variability of glucocorticoid induced electrolyte transport in rat colon, **936**
SANDVIK AK *see* WALDUM HL *et al*
SANFT C *see* ZIEGLER K *et al*
SANKEY EA *see* McCORMICK PA *et al*
SANTALUCIA F *see* PACE F *et al*
SARLES H *see* BOURLIERE M *et al*
SARR MG *see* NELSON DK *et al*
SARRAF CE *see* WATANAPA P *et al*
SAUERBRUCH T *see* SCHACHLER R *et al*
SAUNDERS JB *see* THOMSON AD *et al*
SAVAGE MO *see* MURCH SH *et al*
SAVARINO V, MELA GS and CELLE G: Omeprazole in gastric and duodenal ulcers (*letter*), **721**
SAVILAHTI E *see* MAKI M *et al*
SAWYERR AM *see* NWOKOLO CU *et al*
SCHACHLER R, BIRD NC, SAUERBRUCH R, FROST EA, SACKMANN M, PAUMGARTNER G and JOHNSON AG: Extracorporeal shock wave lithotripsy of gall stones: an in vitro comparison between an electrohydraulic and a piezoceramic device, **312**
SCHALM SW *see* BERK L *et al*
SCHEURLEN C *see* KRUIS W *et al*
SCHIPPER NW *see* SELDENRIJK CA *et al*
SCHMIDT FW *see* WAGNER S *et al*
SCHOENBERG MH, POCH B, YOUNES M, SCHWARZ A, BACZAKO K, LUNDBERG C, HAGLUND U and BEGER HG: Involvement of neutrophils in postischaemic damage to the small intestine, **905**
SCHOLEFIELD JH, KERR IB, SHEPHERD NA, MILLER KJ, BLOOMFIELD R and NORTHOVER JMA: Human papillomavirus type 16 DNA in anal cancers from six different countries, **674**
SCHORAH CJ *see* SOBALA GM *et al*
SCHULER A *see* WAGNER S *et al*
SCHUPPAN D *see* STALLMACH A *et al*
SCHURMANN G *see* VON HERBAY A *et al*
SCHWAB G *see* WEGER AR *et al*
SCHWARZ A *see* SCHOENBERG MH *et al*
SCHWENK M *see* DECHELOTTE P and SCHWENK M
SCICCHITANO JP *see* THUNE A *et al*
Scirrhous carcinoma of the stomach, serum type I procollagen carboxy terminal peptides, measurement, **624**
SCOTT BB *see* MAHON J *et al*
SCOTT EA and BLACK N: Appropriateness of cholecystectomy in the United Kingdom - a consensus panel approach (*special report*), **1066**
Sedation
  in day units, recovery (*letter*), **551**
  and patient monitoring, during gastrointestinal endoscopy, recommendations for standards (*special report*), **823**
  upper gastrointestinal endoscopy, **12**: letter, **832**
SEGAL I, WALKER ARP and VORSTER HH: Dietary factors associated with duodenal ulcer (*letter*), **456**
  see also RIEDEL L *et al*: RIEDEL L and SEGAL I
SeHCAT test, to determine effect of ursodeoxycholic acid on ileal absorption of bile acids, **1044**
SEIBOLD F, WEBER P, JENSS H, and WIEDMANN KH: Antibodies to a trypsin sensitive pancreatic antigen in chronic inflammatory bowel disease: specific markers for a subgroup of patients with Crohn's disease, **1192**
SELDEN AC and HODGSON HJF: Growth factors and the liver (*leading article*), **601**
SELDENRIJK CA, MORSON BC, MEUWISSEN SGM, SCHIPPER NW, LINDEMAN J, MEIJER CJLM: Histopathological evaluation of colonic mucosal biopsy specimens in chronic inflammatory bowel disease: diagnostic implications, **1514**
Self-dilatation of oesophageal strictures, **1076**
SEN D *see* DUTTA P *et al*
SENJU M, HULSTAERT F, LOWDER J and JEWELL DP: Flow cytometric analysis of peripheral blood lymphocytes in ulcerative colitis and Crohn's disease, **779**
  WU KC, MAHIDA YR and JEWELL DP: Coexpression of CD4 and CD8 on peripheral blood T cells and lamina propria T cells in inflammatory bowel disease by two colour immunofluorescence and flow cytometric analysis, **918**
SEPPALA K *see* HAKKINEN I *et al*
Septicaemia after colonoscopy, in cirrhosis (*case report*), **450**
SESSIONS J *see* SUTHERLAND L *et al*
Severe chronic active hepatitis (autoimmune type), mimicked by coinfection of hepatitis C and HIV (*case report*), **1198**
SHALIT M *see* ILAN Y *et al*
SHALLCROSS TM *see* CRABTREE JE *et al*
SHAMSEDDIN FN: An old student's memories (*letter*), **112**
SHANDLING B *see* GRIFFITHS AM *et al*
SHEPHERD NA *see* SCHOLEFIELD JH *et al*
SHERLOCK S: Foreword, **S4**
  and DUSHEIKO G: Hepatitis C virus updated (*leading article*), **965**
SHERMAN PM *see* GRIFFITHS AM *et al*
SHIELDS MD *see* ROLLINS MD *et al*
SHILKIN KB *see* JEFFREY GP *et al*: SALLIE RW *et al*
Shock wave lithotripsy, extracorporeal, and papillary dilatation via T tube, for retained bile duct stones after Billroth II gastrectomy (*case report*), **329**
Short chain fatty acids, in terminal ileum, accelerate stomach to caecum transit time, rat, **266**
Sickle cell anaemia, and gall stone disease, African patients, **539**
SIEBER C, BEGLINGER C and JAEGER K: Postprandial mesenteric blood flow (*letter*), **1428**
  HILDEBRAND P and STALDER GA: Regulation of postprandial mesenteric blood flow in humans: evidence for a cholinergic nervous reflex, **361**
SIEG B *see* VON HERBAY A *et al*
SILK DBA, O'KEEFE SJD, and WICKS C: Nutritional support in liver disease, **S29**
  see also RAIMUNDO AH *et al*
SIMJEE AE *see* MANOHAR A and SIMJEE AE
SIMMONS A *see* ZAMAN A *et al*
SINGER MV *see* DE JONG AJL *et al*
SINGLETON J *see* SUTHERLAND L *et al*
SIPPONEN P *see* HAKKINEN I *et al*: LEIDENIUS M *et al*
SITAS F, FORMAN D, YARNELL JWG, BURR ML, ELWOOD PC, PEDLEY S and MARKS KJ: *Helicobacter pylori* infection rates inrelation to age and social class in a population of Welsh men, **25**
SJOBERG O *see* AHRENSTEDT O *et al*
SJOLUND K, HAGGMARK A, IHSE I, SKUDE G, KARNSTROM U and WIKANDER M: Selective deficiency of pancreatic amylase (*case report*), **546**
Skin and gullet, coexisting diseases (*progress report*), **694**: (*letter*), **1569**
SKUDE G *see* SJOLUND K *et al*
SLADEN GE *see* ROKKAS T *et al*
SLATER JDH *see* PANOS MZ *et al*
Sleep and nocturnal acid reflux in normal subjects and in reflux oesophagitis, **1275**
Small intestine(al)
  autotransplants, in vivo electrophysiological measurements in evaluation, dog, **1329**
  function and dietary status in dermatitis herpetiformis, **377**
  gas in severe ulcerative colitis, **1535**
  haemorrhage, due to cytomegalovirus vasculitis (*case report*), **1419**
  involvement of neutrophils in postischaemic damage, **905**
  length, factor essential for gut adaptation, **1321**
  morphology in British Indian and Afro-Caribbean subjects, evidence of tropical enteropathy, **256**
  permeability, increased, caused by NSAIDs, importance of local *versus* systemic effects, man, **275**
  secretory function, and vitamin A deficiency, rat, **1324**
  transplantation, total orthotopic allogeneic, effect of allograft irradiation combined with cyclosporine-A therapy, rats, **654**
  tumours, enteroscopy yield, **763**
SMETHURST P *see* BJARNASON I *et al*
SMITH AN *see* KAWIMBE BM *et al*: VARMA JS and SMITH AN
SMITH CL *see* HILLIER K *et al*
SMITH D *see* WALDRON B *et al*
SMITH J *see* TSAI HH *et al*
SMITH JA, GRIFFIN M, MIREYLEES SE, and LONG RG: Calmodulin independence of human duodenal adenylate cyclase, **1308**
SMITH JTL *see* NWOKOLO CU *et al*
SMITH PM *see* McFARLANE IG *et al*
Smoking
  humoral immunity, and ulcerative colitis, **1016**
  see also Tobacco
SMYTH AE *see* RIEDEL L *et al*
SNOOK JA and JEWELL DP: Serum and tissue autoantibodies to colonic epithelium in ulcerative colitis (*letter*), **1569**

LOWES JR, WU KC, PRIDDLE JD and JEWELL DP: Serum and tissue autoantibodies to colonic epithelium in ulcerative colitis, **163**
SOBALA GM, CRABTREE JE, DIXON MF, SCHORAH CJ, TAYLOR JD, RATHBONE BJ, HEATLEY RV, and AXON ATR: Acute *Helicobacter pylori* infection: clinical features, local and systemic immune response, gastric mucosal histology, and gastric juice ascorbic acid concentrations (*case report*), **1415**
'Solitary' necrotic nodules of the liver, aetiology reaffirmed, **1378**
SOLMI L *see* GANDOLFI L *et al*
SOPER N *see* DE SILVA HJ *et al*
SORENSEN M, TETZSCHNER T, RASMUSSEN OO, and CHRISTIANSEN J: Relation between electromyography and anal manometry of the external anal sphincter, **1031**
SORENSEN OH *see* BISBALLE S *et al*
SOZI C *see* SUTTERS M *et al*
SPEAKMAN CTM and KAMM MA: The internal anal sphincter - new insights into faecal incontinence (*leading article*), **345**
SPENCER J *see* SANDERSON IR *et al*
SPERBER AD *see* ODES HS *et al*
Sphincter of Oddi motility, gall bladder distension inhibits, humans, **690**
SPILLER RC *see* MANSELL PI *et al*
Spiral shaped bacteria other than *Helicobacter pylori*, causing gastritis, **137**
SRIVASTAVA ED, BARTON JR, O'MAHONY S, PHILLIPS DIM, WILLIAMS GT, MATTHEWS N, FERGUSON A, and RHODES J: Smoking, humoral immunity, and ulcerative colitis, **1016**
STABILE G, KAMM MA, HAWLEY PR, LENNARD-JONES JE: Colectomy for idiopathic megarectum and megacolon, **1538**
STALDER GA *see* MEYER B *et al*: SIEBER C *et al*
STALLMACH A, RIESE H-H, SCHUPPAN D, BORNHOFT G, STEIN H and RIECKEN EO: Identification of different laminin binding proteins in basolateral cell membranes of human colorectal carcinomas and normal colonic mucosa, **282**
STEEN G *see* VERGUNST H *et al*
STEIN H *see* STALLMACH A *et al*: ZIEGLER K *et al*
STELLAARD F *see* KRUIS W *et al*
STENDAHL U *see* DANIELSSON A *et al*
STENLING R *see* DANIELSSON A *et al*
STERN HS: Cancer in an ileoanal reservoir (*letter*), **338**
Steroid hormone abnormalities, in women with severe idiopathic constipation, **80**
STOKER DL and WILLIAMS JG: Alkaline reflux oesophagitis (*leading article*), **1090**
Stomach
  importance in maintaining calcium homoeostasis, rat, **1298**
  proximal and distal, role in mixed solid and liquid meal emptying, **615**
STRANDVIK B *see* EJDERHAMN J *et al*
STRANKS GJ, MATHAI JT and ROWE-JONES DC: Primary malignant melanoma of the oesophagus: case report and review of surgical pathology (*case report*), **828**
STROCCHI A, FURNE JK, ELLIS CJ, and LEVITT MD: Competition for hydrogen by human faecal bacteria: evidence for the predominance of methane producing bacteria, **1498**
STRONG R *see* MIROS M *et al*
STURGESS RP, ELLIS HJ, and CICLITIRA PJ: Cereal chemistry, molecular biology, and toxicity in coeliac disease (*progress report*), **1055**
STURROCK RD *see* MORRIS AJ *et al*
Sucralfate
  in long-term maintenance therapy (*letter*), **721**, **1202**
  protective effect, nicotine induced gastric injury, rats, **372**
Sugar, refined, effect on gut transit, bile acid metabolism and bacterial fermentation, **367**
SUGITA A, SACHAR DB, BODIAN C, RIBEIRO MB, AUFSES AH and GREENSTEIN AJ: Colorectal cancer in ulcerative colitis. Influence of anatomical extent and age at onset on colitis-cancer interval, **167**
SUHR O *see* DANIELSSON A *et al*
Sulphasalazine
  effect on jejunal and ileal water and electrolyte absorption in normal human subjects, **270**
  and gastrointestinal transit (*letter*), **1087**
  in inhibition of red cell membrane lipid peroxidation, **1156**
  in ulcerative colitis, in memoriam? (*leading article*), **462**
Sulphate, dietary, metabolism, absorption and excretion, human, **766**
SUMMERS R *see* SUTHERLAND L *et al*
SUN WM, BERGIN A and READ NW: Pressure-volume characteristics of the rectum (*letter*), **831**
  see also READ NW and SUN WM
SUNDARESAN M, LYONS B, and AKOSA AB: 'Solitary' necrotic nodules of the liver: an aetiology reaffirmed, **1378**
SUNDQVIST R *see* MAGNUSSON M *et al*
Superoxide production by Crohn's disease neutrophils, **399**
SURRATT P *see* FREIDIN N *et al*
SUTHERLAND L, SINGLETON J, SESSIONS J, HANAUER S, KRAWITT E, RANKIN G, SUMMERS R, MEKHJIAN H, GREENBERGER N, KELLY M, LEVINE J, THOMSON A, ALPERT E, and PROKIPCHUK E: Double blind, placebo controlled trial of metronidazole in Crohn's disease, **1071**
SUTTERS M, CARMICHAEL DJS, UNWIN RJ, SOZI C, HUNTER M, CALAM J, LIGHTMAN SL and PEART WS: 'Low sodium' diuresis and ileal loss in patients with ileostomies: effect of desmopressin, **649**
SUTTON D *see* WALDRON B *et al*
SWAN CHJ *see* BELL GD *et al*

TABAQCHALI S *see* TANAKA K *et al*: THILLAINAYAGAM AV *et al*
TALBOT IC *see* GERAGHTY JM *et al*: GERAGHTY JM and TALBOT IC: NICHOLSON ML *et al*
TAMPIERI M *see* CAMPIERI M *et al*
TANAKA K, WILKS M, COATES PJ, FARTHING MJG, WALKER-SMITH JA and TABAQCHALI S: Mycobacterium paratuberculosis and Crohn's disease, **43**
TANAKA Y, MINE K, NAKAI Y, MISHIMA N and NAKAGAWA T: Serum pepsinogen I concentrations in peptic ulcer patients in relation to ulcer location and stage, **849**
TANDON RK *see* ARORA A and TANDON RK
TANNER AR *see* MCDONAGH JE *et al*
TANNER MS *see* HODGES S *et al*
TATTERSALL RB *see* MANSELL PI *et al*
TAYLOR CJ *see* HARDCASTLE J *et al*: HITCHIN BW *et al*
TAYLOR JD *see* SOBALA GM *et al*
TAYLOR P *see* GLEESON D *et al*
TAYLOR PR, MASON RC, FILIPE MI, VAJA S, HANLEY DC, MURPHY GM, DOWLING RH, and McCOLL I: Gastric carcinogenesis in the rat induced by duodenogastric reflux without carcinogens: morphology, mucin histochemistry, polyamine metabolism, and labelling index, **1447**
TAYLOR W *see* FREIDIN N *et al*
TEAHON K, PEARSON M, LEVI AJ, and BJARNASON I: Elemental diet in the management of Crohn's disease during pregnancy (*case report*), **1079**
Technetium-99m leucocyte scans, positive, value in predicting intestinal inflammation, **1502**
TEN KATE FJW *see* MEIJSSEN MAC *et al*
TERPSTRA OT *see* VERGUNST H *et al*
TERRIERE L *see* HOLVOET J *et al*
TETZSCHNER T *see* SORENSEN M *et al*
THAKORE E *see* MANTLE M *et al*
THEODOROU V, FIORAMONTI J, HACHET T, and BUENO L: Absorptive and motor components of the antidiarrhoeal action of loperamide: an in vivo study in pigs, **1355**
THEODOSSI A *see* REMEDIOS D *et al*
THILLAINAYAGAM AV, ARVIND AS, COOK RS, HARRISON IG, TABAQCHALI S and FARTHING MJG: Diagnostic efficiency of an ultrarapid endoscopy room test for *Helicobacter pylori*, **467**
THOMAS MC *see* HABER PS *et al*
THOMPSON DG: Pressure-volume characteristics of the rectum (*letter*), **831**
THOMPSON H *see* HALL MJ *et al*
THOMPSON M *see* BARDHAN KD *et al*
THOMPSON RPH *see* GREENFIELD SM *et al*: McFARLANE IG *et al*: TRAVIS SPL *et al*
THOMPSON WG But was the procedure really necessary? (*letter*), **1430**
THOMSON A *see* SUTHERLAND L *et al*
THOMSON AD, BIRD GLA, and SAUNDERS JB: Alcoholic liver disease, **S97**
THORNTON JR and LOSOWSKY MS: Plasma a endorphin in cirrhosis and renal failure, **306**
  Septicaemia after colonoscopy in patients with cirrhosis (*case report*), **450**
THUNE A, SACCONE GTP, SCICCHITANO JP and TOOULI J: Distension of the gall bladder inhibits sphincter of Oddi motility in humans, **690**
THYBAUD L *see* DUROUX Ph *et al*
TIZARD ML *see* MOSS MT *et al*
TN staging, oesophageal cancer, evaluation of endosonography, **16**
Tobacco as risk factor for chronic pancreatitis and alcoholic cirrhosis, **1392**
  see also Smoking
TOBE T *see* NONAKA A *et al*
TOFTGAARD C *see* MOLLER H and TOFTGAARD C
TOMLIN J, LOWIS C and READ NW: Investigation of normal flatus production in healthy volunteers, **665**
TOOULI J *see* THUNE A *et al*
TORLEY H *see* MORRIS AJ *et al*
TORRANCE HB *see* BABBS C *et al*
TORRES J, JENNISCHE E, LANGE S and LONNROTH I: *Clostridium difficile* toxin A induces a specific antisecretory factor which protects against intestinal mucosal damage, **791**
TORSOLI A *see* FAIS S *et al*
TOUSSAINT J, GOSSUIN A, DERUYTTERE M, HUBLE F, and DEVIS G: Healing and prevention of relapse of reflux oesophagitis by cisapride, **1280**
TOVEY FI and JAYARAJ AP: Duodenal ulcer and carbohydrate (*letter*), **339**
TRABOULSI EI *see* GIARDIELLO FM *et al*
TRALAU CJ *see* BARR H *et al*

Transcutaneous recordings in possible detection of gastric electrical abnormalities, **141**
Transit, gastrointestinal, and sulphasalazine (*letter*), **1087**
Transit time, stomach to caecum, accelerated by short chain fatty acids, rat, **266**
Transplantation, total orthotopic allogeneic small bowel, effect of allograft irradiation combined with cyclosporine-A therapy, rats, **654**
TRAVIS AJ *see* KELLY D *et al*
TRAVIS S, DAVIES DR and CREAMER B: Acute colorectal ischaemia after anaphylactoid shock (*case report*), **443**
TRAVIS SPL, EADY RAJ, and THOMPSON RPH: Oesophageal complications in epidermolysis bullosa (*letter*), **1569**
TREDGER JM and DAVIS M: Drug metabolism and hepatotoxicity, **S34**
TREW DR *see* JENKINS AP *et al*
TRIBUKAIT B *see* LOFBERG R *et al*
TRITTO G *see* D'AGOSTINO L *et al*
TRONCONE R and FERGUSON A: Animal model of gluten induced enteropathy in mice, **871**
see also MAYER M *et al*
Tropical enteropathy, small bowel morphology, British Indian and Afro-Caribbean subjects, **256**
Trypsin sensitive pancreatic antigen, antibodies to, in chronic inflammatory bowel disease, **1192**
TSAI HH: Case of watermelon stomach successfully treated by heat probe elecgrocoagulation (*letter*), **964**
SMITH J and DANESH BJ: Successful control of bleeding from gastric antral vascular ectasia (watermelon stomach) by laser photocoagulation (*case report*), **93**
Tuberculosis, peritoneal (*letter*), **457**
Tumour necrosis factor alpha, serum concentrations, in childhood chronic inflammatory bowel disease, **913**
TURK JL *see* MITCHELL IC and TURK JL

Ulcerative colitis
5-aminosalicylic acid as rectal enema, optimum dosage, **929**
and collagenous colitis, metachronous occurrence (*case report*), **447**
colorectal cancer, screening (*letter*), **721**
colorectal cancer in, influence of anatomical extent and age at onset on colitis-cancer interval, **167**
flow cytometric analysis of peripheral blood lymphocytes, **779**
interleukin 1 (*letter*), **338**
longstanding, dysplasia and carcinoma, **1521**
microscopic activity, prognostic importance, **174**
presence of colon specific Mr 40 000 protein(s), experimental animals, **504**
prevalence of proximal faecal stasis, **179**
quiescent and active, impaired sulphation of phenol by colonic mucosa, **46**: (*letter*), **963**
reasons for relapse (*letter*), **832**
rectal biopsy morphometry, effect of 5-aminosalicylic acid and rectal prednisolone, **183**
risk factors, population based case-control study, **1526**
serum and tissue autoantibodies to colonic epithelium, **163**, (*letter*), **1569**
severe, small bowel gas, **1535**
smoking, and humoral immunity, **1016**
sulphasalazine, in memoriam? (*leading article*), **462**
Ulcerative proctitis, risk factors, population based case-control study, **1526**
Ultrasound, value in differentiating causes of persistent vomiting in infants, **612**
UNWIN RJ *see* SUTTERS M *et al*
Upper gastrointestinal haemorrhage
acute, associated with AIDS, relatively uncommon condition associated with reduced survival, **987**
enhanced gastric mucosal haemostasis after, **735**
relation to NSAIDs and aspirin, case-control study, **730**
Upper oesophageal sphincter pressure, children, monitoring, **607**
Urea concentration, gastric mucosa, *Helicobacter pylori* infection, **973**
Urea infusion, increasing *Helicobacter pylori* ammonia production by, effect on plasma gastrin concentrations, **21**
Urease, *Helicobacter pylori*, **1286**
Urinary acid excretion, and gastric acid (*letter*), **339**
Urogastrone-epidermal growth factor, effects on intestinal brush border enzymes and mitotic activity, **994**
Urokinase activity, cell associated, and colonic epithelial cells, in health and disease, **191**
Ursodeoxycholic acid
in chronic liver disease (*progress report*), **1061**
effect on ileal absorption of bile acids, SehCAT test, **1044**

Vagotomy, immediate effect on pancreatic insulin secretion, **303**
VAIRA D *see* NUSSINSON E *et al*
VAJA S *see* TAYLOR PR *et al*
VALENZUELA JE *see* DI LORENZO C *et al*
VALIANTE F *see* FARINATI F *et al*
VALLANCE R *see* ALLISON MC and VALLANCE R
VALORI RM, HALLISEY MT and DUNN J: Power of oesophageal peristalsis can be controlled voluntarily, **236**
VALSECCHI L *see* PARENTE F *et al*
VAN BLANKENSTEIN M *see* VAN TILBURG AJP *et al*
VAN DE POL E *see* GIBSON PR *et al*
VAN DEN BERG JWO *see* VAN TILBURG AJP *et al*
VAN DEN INGH TSGAM *see* HENDRIKS HGCJM *et al*
VAN DEN MUYSENBERG A *see* KIK MJL *et al*
VAN DER EST MMC *see* VEENENDAAL RA *et al*
VAN DER SPEK P *see* ROELS F *et al*
VAN DUIJN W *see* VEENENDAAL RA *et al*
VAN HEE W *see* HOLVOET J *et al*
VAN LEUVEN F *see* BANKS RE *et al*
VAN TILBURG AJP, DE ROOIJ FWM, VAN DEN BERG JWO and VAN BLANKENSTEIN M: Primary bile acid diarrhoea without an ileal carrier defect: quantification of active bile acid transport across the ileal brush border membrane, **500**
VANDENPLAS Y, HELVEN R and GOYVAERTS H: Comparative study of glass and antimony electrodes for continuous oesophageal pH monitoring (*methods*), **708**
VARMA JS and SMITH AN: Pressure-volume characteristics of the rectum (*letter*), **831**
Vasculitis, cytomegalovirus, causing small bowel haemorrhage (*case report*), **1419**
VEENENDAAL RA, PENA AS, MEIJER JL, ENDTZ HPh, VAN DER EST MMC, VAN DUIJN W, EULDERINK F, KREUNING J, and LAMERS CBHW: Long term serological surveillance after treatment of *Helicobacter pylori* infection, **1291**
VEEZE HJ *see* MEIJSSEN MAC *et al*
VERBIST L *see* HOLVOET J *et al*
VERESS B, ALAFUZOFF I and JULIUSSON G: Granulomatous peritonitis and appendicitis of food starch origin (*case report*), **718**
VERGANI D *see* HODGES S *et al*
VERGUNST H, TERPSTRA OT, NIJS HGT and STEEN G: In vitro comparison of different gall stone dissolution solvents, **211**
VERROS G *see* GANDOLFI L *et al*
VERSPAGET HW *see* MULDER TPJ *et al*
VESEY DA *see* PLAYFORD RJ *et al*
Vessel weld strength, effect of bipolar electrocoagulation time, **188**
VICKERS CR *see* O'CONNOR HJ *et al*
VILARDELL F *see* MONS J *et al*
Viral hepatitis
advancements in last two decades, **S48**
foreword, **S47**
Visceral myopathy, causing megaduodenum, successfully managed by duodenoplasty and feeding jejunostomy (*case report*), **334**
VISCHER WA *see* MEYER B *et al*
VISCONTI M *see* D'AGOSTINO L *et al*
Vitamin A deficiency, and small intestinal secretory function, rat, **1324**
VITELLI E *see* GANDOLFI L *et al*
VIVARIO M *see* DELWAIDE J *et al*
Vomiting, persistent, infants, value of ultrasound in differentiating causes, **612**
VON HERBAY A, SIEG B, SCHURMANN G, HOFMANN WJ, BETZLER M and OTTO HF: Proliferative activity of neuroendocrine tumours of the gastroenteropancreatic endocrine system: DNA flow cytometric and immunohistological investigations, **949**
VORSTER HH *see* SEGAL I *et al*

WADSWORTH J *see* LOGAN RPH *et al*
WAGNER S, GLADZIWA U, GEBEL M, SCHULER A, FREISE J, and SCHMIDT FW: Circadian pattern of intragastric acidity in duodenal ulcer patients: a study of variations in relation to ulcer activity, **1104**
WALAN A *see* BARDHAN KD *et al*
WALDRON B, CULLEN PT, KUMAR R, SMITH D, JANKOWSKI J, HOPWOOD D, SUTTON D, KENNEDY N and CAMPBELL FC: Evidence for hypomotility in non-ulcer dyspepsia: a prospective multifactorial study, **246**
WALDUM HL, SANDVIK AK, BRENNA E and PETERSEN H: Gastrin-histamine sequence in the regulation of gastric acid secretion (*progress report*), **698**
WALKER ARP *see* RIEDEL L *et al*: SEGAL I *et al*
WALKER MM *see* LOGAN RPH *et al*
WALKER N *see* MIROS M *et al*
WALKER R *see* RAOUF A *et al*
WALKER RJ *see* RAOUF AH *et al*
WALKER-SMITH JA *see* ELLIOTT EJ *et al*: HILL SM *et al*: MURCH SH *et al*: SANDERSON IR *et al*: TANAKA K *et al*
WALL WJ, *see* ADAMS PC *et al*
WALLIN L *see* BOESBY S *et al*: KRUSE-ANDERSEN S *et al*
WALTON S and BENNETT JR: Skin and gullet (*progress report*), **694**
WARNES TW *see* BABBS C *et al*: GLEESON D *et al*
WATANABE N *see* KOHDA K *et al*
WATANAPA P, EFA EF, BEARDSHALL K, CALAM J, SARRAF CE, ALISON MR, and WILLIAMSON RCN: Inhibitory effect of a

cholecystokinin antagonist on the proliferative response of the pancreas to pancreatobiliary diversion, **1049**
Water and electrolyte transport, and atrial natriuretic peptide, jejunum, **635**
Water melon stomach
problem of recog.ition and diagnosis (*case report*), **954**
successful control of bleeding by laser photocoagulation (*case report*), **93**: (*letter*), **964**
successfully controlled by heat probe elecrocoagulation (*letter*), **964**
WATERS CM *see* WONG K *et al*
WATKINS WM *see* ORNTOFT TF *et al*
WATSON A and ATKINSON M: Provision of facilities for manometry and pH monitoring in the investigation of patients with oesophageal disease (*special report*), **106**
WATSON AJM, BRENNAN EA, FARTHING MJG and FAIRCLOUGH PD Acetate uptake by intestinal brush border membrane vesicles, **383**
see also ELLIOTT EJ *et al*
WAYE JD *see* LEWIS BS *et al*
WEAVER LT, AUSTIN S, and COLE TJ: Small intestinal length: a factor essential for gut adaptation, **1321**
WEBER P *see* SEIBOLD F *et al*
Weekend treatment with 20 and 40 mg omeprazole, evaluation of pH, gastrin and pepsinogens, **977**
WEGER AR, GLASER KS, SCHWAB G, OEFNER D, BODNER E, AUER GU and MIKUZ G: Quantitative nuclear DNA content in fine needle aspirates of pancreatic cancer, **325**
WEIL J and LANGMAN MJS: Screening for gastrointestinal cancer: an epidemiological review (*progress report*), **220**
see also BELL GD *et al*
WEIR DG *see* McNULTY J *et al*
WELLS PNT *see* BRAATVEDT GD *et al*
WELSH KI *see* HALL MA *et al*
WENDON J *see* HUGHES RD *et al*
WERTH B *see* MEYER B *et al*
WESSON DE *see* GRIFFITHS AM *et al*
WEST RJ *see* O'CONNOR HJ *et al*
WESTABY D *see* LOMBARD M *et al*: MacDOUGALL BRD *et al*
WHEELER EE *see* APPLETON GVN *et al*: CHALLACOMBE DN *et al*
WHEELER MJ *see* CUNDY TF *et al*
WHICHER JT *see* BANKS RE *et al*
WHITEHEAD C and SANDERS LD: Recovery from sedation in day units (*letter*), **551**
WHORWELL PJ *see* MAXTON DG *et al*
WICKS C *see* SILK DBA *et al*
WIEDMANN KH *see* SEIBOLD F *et al*
WIKANDER M *see* SJOLUND K *et al*
WILKINS WE *see* ARNOLD JD and WILKINS WE
WILKINSON ML *see* JOHNSON PJ *et al*
WILKINSON SP, MOORE KP, and ARROYO V: Pathogenesis of ascites and hepatorenal syndrome, **S12**
WILKS M *see* TANAKA K *et al*
WILLIAMS A: Free radicals in colitis (*letter*), **232**
WILLIAMS AJK, MERRICK MV, and EASTWOOD MA: Idiopathic bile acid malabsorption - a review of clinical presentation, diagnosis, and response to treatment, 1004
WILLIAMS CB *see* GERAGHTY JM *et al*
WILLIAMS GT *see* SRIVASTAVA ED *et al*
WILLIAMS JG *see* STOKER DL and WILLIAMS JG
WILLIAMS R *see* CUNDY TF *et al*: LOMBARD M *et al*: PAIN JA *et al*: PANOS MZ *et al*
Williams, Roger: Liver Unit, King's College Hospital, 1966-1991 25th Anniversary Supplement
a foreign view of Dr Williams' work, **S6**
foreword by Dame Sheila Sherlock, **S4**
introduction, **S3**
May Roger roll on...: views from abroad, **S5**
WILLIAMSON RCN *see* APPLETON GVN *et al*: JALLEH RP *et al*: WATANAPA P *et al*
WILLING J *see* DAVIDSON GP *et al*
WILSON I *see* MOONEY C *et al*
WILSON JS *see* HABER PS *et al*
Wilson's disease in Scotland, **1541**
Wire guided balloon assisted endoscopic biliary stent exchange, **1562**
WISE LS *see* BIANCONE L *et al*
WISHART JM *see* CUNNINGHAM KM *et al*
WONG K, BEARDSHALL K, WATERS CM, CALAM J, and POSTON GJ: Postprandial hypergastrinaemia in patients with colorectal cancer, **1352**
WONG TH *see* ONG CL *et al*
WOOD CB *see* SACKIER JM *et al*
WOOD GM, GEARTY JC and COOPER BT: Small bowel morphology in British Indian and Afro-Caribbean subjects: evidence of tropical enteropathy, **256**
see also MAHON J *et al*
WOOLDRIDGE MAW *see* ROLLINS MD *et al*
WORKING PARTY OF THE CLINICAL SERVICES COMMITTEE OF THE BRITISH SOCIETY OF GASTROENTEROLOGY: Provision of gastrointestinal endoscopy and related services for a district general hospital (*special report*), **95**
WORMSLEY KG: Long term maintenance therapy with sucralfate (*letter*), **1202**
Wright, Professor Ralph, an appreciation, **108**
WRIGHT NA *see* GOODLAD RA *et al*
WRIGHT R *see* McGARITY BH *et al*
WU KC *see* SENJU M *et al*: SNOOK JA *et al*
WYATT J *see* ZAMAN A *et al*
WYATT JI *see* COPE GF *et al*: CRABTREE JE *et al*: HESSEY SJ *et al*
WYKE RJ *see* ROLANDO N and WYKE RJ

YAMAGUCHI K and ENJOJI M: Adenoma of the ampulla of Vater: putative precancerous lesion, **1558**
YANDLE TG *see* BRUNNER J *et al*
YARNELL JWG *see* SITAS F *et al*
Yersinia enterocolitica infection, effects on rabbit intestinal and colonic goblet cells and mucin, **1131**
YOUNES M *see* SCHOENBERG MH *et al*
YOUNGS DJ *see* CURRAN FT *et al*

ZACK M *see* SAMUELSSON S-M *et al*
ZAHAVI I *see* DINARI G *et al*
ZAITOUN A *see* MITCHISON HC *et al*
ZAITOUN AM, COBDEN I, AL MARDINI H and RECORD CO: Morphometric studies in rectal biopsy specimens from patients with ulcerative colitis: effect of oral 5-aminosalicylic acid and rectal prednisolone treatment, **183**
ZAMAN A, BRAMLEY PN, WYATT J, SIMMONS A, LOSOWSKY MS and BOLTON R: Hodgkin's disease presenting as liver abscesses (*case report*), **959**
ZARGAR SA, KHUROO MS, MAHAJAN R, JAN GM, DEWANI K and KOUL V: Endoscopic fine needle aspiration cytology in the diagnosis of gastro-oesophageal and colorectal malignancies, **745**
ZEITZ M *see* ZIEGLER K *et al*
ZHAO D and HIRST BH: Prostaglandin protects against bile salt induced increases in proton permeation of duodenal brush border membrane, **645**
ZIEGLER K, SANFT C, ZEITZ M, FRIEDRICH M, STEIN H, HARING R and RIECKEN EO: Evaluation of endosonography in TN staging of oesophageal cancer, **16**
Zinc deficiency in cirrhosis (*letter*), **458**
ZUCKER S *see* BANK S *et al*
ZUCKERMAN AJ: Viral hepatitis: foreword, **S47**

VOLUME 32 · ABSTRACTS INDEX

Abdominal tuberculosis
  Bangladeshis and Europeans in Britain, epidemiology, **A1222**
  in Indian migrants and indigenous population, Leicester, **A1225**
ABU-KHALAF A, KAY P, HUNT L, *et al*: Serum alkaline phosphatase isoenzymes in inflammatory bowel disease, **A594**
ABUAFI AM, ALLARDICE JT, DEAN R, *et al*: Adjunctive intraoperative photodynamic therapy for colorectal cancer, **A1204**
ABULAFI AM, ALLARDICE JT, DEAN R, *et al*: Photodynamic therapy for malignant tumours of the ampulla of Vater, **A1252**
ABULAFI M, ALLARDICE J, DEAN R, *et al*: Comparison of photodynamic therapy and Nd:YAG laser therapy for obstructing oesophageal and gastric cancer, **A1214**
Acetaldehyde-albumin conjugates, detection of antibodies to, in alcoholic liver disease, **A576**
Acetylator status, link between hepatic metabolism and colorectal cancer, **A1255**
Achalasia, presenting features, four year prospective study, Edinburgh, **A585**
Achlorhydria, hypergastrinaemic response, role of ornithine decarboxylase, rat, **A590**
Acromegaly, impaired gall bladder motility, **A1210**
Actin, in regulation of Caco-2 Na+/H+ exchange, **A578**
105AD7, cell mediated response after immunisation of colorectal cancer, **A557**
ADAMS DH, MAINOLFI E, NEUBERGER JM, *et al*: Secretion of circulating ICAM-1 into bile duct during human liver allograft rejection, **A576**
Adenocarcinoma
  of the gastric cardia, prognosis, according to TNM classification, **A580**
  risk, in Barrett's oesophagus, **A555**
  sequence, and P53, **A1203**
Adenomatous polyposis, familial, polymorphic DNA probes and predictive diagnosis, **A1203**
Adenomatous polyps, effects of selenium and vitamin E supplementation on colonic cell proliferation, **A1235**
ADEODU OO, MURPHY MS, GREEN N, *et al*: Significance of cytomegalovirus and Epstein-Barr virus infection in children after liver transplantation, **A1225**
Affective disorder, and irritable bowel syndrome, family history, **A1216**
AHLUWALIA NK, THOMPSON DG, BANCEWICZ J, *et al*: Relations between propulsion and pressure activity in the human small intestine, **A591**
  TRONCON L, *et al*: Direct studies of human gastric fundal tone and compliance, **A590**
  Measurement of the human gastric relaxation responses to distension and to feeding, **A1215**
  WILLIAMS D, *et al*: Nutrient propulsion through the small bowel is modulated via a beta adrenoceptor pathway, **A1247**
AHMED W, MORRIS AI, GILMORE IT, *et al*: Hepatic processing of a novel agent for imaging and assessing hepatobiliary function, **A1251**
AHNEN DJ, ELIA G, and WRIGHT NA: Vertical and longitudinal gradients of transforming growth factor alpha expression indicate selective differentiation programmes in the rat colon, **A1238**
  GULLICK W, and WRIGHT NA: Morphogenesis of and growth factor production by the cell lineage induced by mucosal ulceration in Crohn's disease, **A573**
AIDS
  emergency laparotomy, **A592**
  idiopathic oesophageal ulcers, intralesional treatment, **A1213**
  and non-Hodgkin's lymphoma, frequency of gastrointestinal involvement, **A1258**
  related sclerosing cholangitis, **A1253**
Alcohol
  absorption, healthy volunteers, ranitidine, cimetidine, and famotidine have no effect, **A595**
  and certain H2 receptor antagonists, evidence for interaction between, **A1220**
  consumption, prognosis and outcome in paracetamol overdose, **A840**
  and smoking, role in metaplasia and neoplasia in Barrett's oesophagus, **A1205**
Alcoholic fatty liver, activity and subcellular distribution of hepatic phosphatidate phosphohydronase, **A838**
Alcoholic liver disease, detection of antibodies to acetaldehyde-albumin conjugates, **A576**
Alcoholic patients, acid-base and electrolyte abnormalities, **A598**
ALDRIDGE MC, COOPER MJ, and WILLIAMSON RCN: Spleen preserving distal pancreatectomy for pancreatic disease, **A344**
  HITTINGER R, RUTTER P, *et al*: Natural history of acute peripancreatic fluid collections, **A343**
ALEXANDER D, MADAN M, HODGSON J, *et al*: Complicated pancreatitis results in disease specific impairment of clearance of protease-antiprotease complexes, **A342**
Alginate/poly-1-lysine capsules, effect of capsule composition on in vivo response, **A343**
Alkaline phosphatase
  serum, isoenzymes, in inflammatory bowel disease, **A594**
  technique in detecting anti-neutrophil antibody, **A1211**
ALLEN SM, VAN RAEMDONCK DE, ADAMS IP, *et al*: Primary immotile oesophagus in young patients, **A1212**
ALLISON MC and POULTER LW: Displacement of the normal colonic macrophage population by tissue histiocytes – possible prerequisite for the development of inflammatory bowel disease, **A588**
ALMARDINI J, HARRISON E, INCE P, *et al*: Enhanced brain serotonin metabolism, in human hepatic encephalopathy, **A1211**
Alpha-1 acid glycoprotein synthesis in vitro
  effect of sulphasalazine and 5-aminosalicylic acid, **A589**
  in inflammatory bowel disease, **A593**
ALSTEAD EM, KEEVIL SF, DOLKE G, *et al*: Assessment of chronic liver disease by magnetic resonanace relaxation times, **A554**
  PRZYTULSKI K, CLARK ML, *et al*: Increased mucosal ornithine decarboxylase activity in the operated stomach: a potential biomarker for malignant risk, **A580**
AMARAL-CORFIELD CDO, CORFIELD AP, HALL M, *et al*: Mucosal alkaline phosphatase as an indicator of disease activity in ulcerative colitis, **A1256**
Ambulatory oesophageal pH monitoring, prolonged, influence on clinical management, **A585**
Aminoglycoside nephrotoxicity, in chronic liver disease, controlled clinical trial, **A554**
5-Aminosalicylic acid
  effect on alpha1 acid glycoprotein synthesis in vitro, **A589**
  formulations, effect of prolonged colonic transit, **A556**
Ammonia, bacterial, not cause of H. pylori induced gastritis, **A1259**
Ampulla of Vater malignancies, photodynamic therapy, **A1252**
Anaemia, as feature of hypertensive gastropathy, **A1211**
Anal
  anaesthesia, common cause of failure after surgical treatment of neuropathic faecal incontinence, **A575**
  dilatation, experimental, **A578**
  fistulas, microbiology, **A592**
  plug, for use in anorectal incontinence, **A1203**
  smear or microanoscopy to identify anal intraepithelial neoplasia, **A1204**
  transition zone, and distribution of neuroendocrine cells in the anorectum, **A1236**
ANDERSON JV, CATNACH SM, FAIRCLOUGH PD, *et al*: Gall stones and longterm treatment with octreotide, **A1228**
ANGGIANSAH A, CHAMBERS J, COOKE R, *et al*: Non-cardiac chest pain – is it gastro-oesophageal reflux? **A1212**
Angiogenesis, reduction, in NSAID associated gastric ulcers, **A1246**
Anorectum(al)
  anal transition zone and distribution of neuroendocrine cells, **A1236**
  incontinence, use of anal plug, **A1203**
  physiology, effect of acute stress, **A1248**
  varices, natural history, **A597**
Anterior resection without a defunctioning colostomy, safety? **A1235**
Anti-neutrophil antibody, prevalence in primary sclerosing cholangitis and ulcerative colitis, **A1211**
Anti-neutrophil cytoplasmic autoantibodies directed against serum cathepsin G, inflammatory bowel disease, **A1218**
Antiandrogens, in experimental hepatocellular cancer, protective role, **A838**
Antiendothelial cell antibodies
  in inflammatory bowel disease, relation to vascular injury, **A1209**
  in primary biliary cirrhosis, **A576**
Antineutrophil antibodies in IBD, **A588**
Antireflux surgery, effect on squamous regeneration in experimental Barrett's oesophagus, **A1205**
ANTONY DC, SAVAGE FJ, HEMBRY RM, *et al*: Model of hapten induced inflammatory bowel disease in the rabbit colon, **A1260**
Antrum, importance in gastric emptying of non nutrient liquid, rat, **A590**
Applied potential tomography
  effect of acid suppression and gender on gastric emptying, **A1237**
  in measurement of gastric emptying in infants, **A1233**
Aprotinin
  improves renal function in cirrhosis with ascites, **A1231**
  intravenous, protects against cell loss during reperfusion of ischemic small intestine, **A1225**
ARMITAGE NC, CLARKE P, GIFFORD K-A, *et al*: Mucosal proliferation in patients with adenomas – a suitable biomarker for intervention trials, **A560**
ARMSTRONG D, BLUM AL, ARNOLD R, *et al*: Duodenal ulceration during maintenance ranitidine therapy: silent and deadly? **A584**
  DAMMANN H, *et al*: Persistent gastritis after ranitidine or antacid therapy predicts relapse of duodenal ulceration, **A595**

NICOLET M, DORTA G, *et al*: Misoprostol does not prevent the gastroduodenal mucosal effects of the NSAID, diclofenac, **A571**
ARNOLD JD, SWIFT GL, WILLIAMS GT, *et al*: Prevalence of oesophagitis in subjects on long term non-steroidal anti-inflammatory drugs, **A1214**
Arthritic joint dysfunction as predictor of NSAID peptic ulceration, **A1221**
Ascorbic acid absent in acute pancreatitis sera, **A342**
ASHTON-KEY M, HAMMERSLEY S, and JOHNSON CD: Incidence and mortality of gastric and pancreatic cancer in England and Wales 1961-1988, **A580**
Aspirin, low dose, unrecognised cause of gastric mucosal damage, **A1245**
ATPase calcium, low affinity, compared in coeliac disease before and after gluten withdrawal, **A565**
Atrophy, and intestinal metaplasia, **A590**
Autocrine role for gastrin/cholecystokinin peptides in pancreatic tumour cell growth, **A1239**
Autoimmune chronic active hepatitis, children, gamma delta+T clones from liver biopsy specimens are cytotoxic to human liver target cells, **A839**
Autoimmune chronic hepatitis, geographical heterogeneity of hepatitis C virus infection, **A839**
Autonomic function tests in cirrhosis, **A1249**
Autonomic neuropathy, in chronic liver disease, natural history, **A1210**
Aztreonam prevents necrotising enterocolitis in premature neonates, **A1231**

BAAK LC, MEIJER JL, JANSEN JBMJ, *et al*: Effect of short and long term treatment with enprostil on postprandial pancreatic polypeptide and cholecystokinin release, **A582**
BAILEY CJ, HEMBRY RM, ALEXANDER A, *et al*: Metalloproteinases in the intestine of patients with Crohn's disease, **A573**
BAILEY IS, STUMPF TH, and JOHNSON CD: Raised plasma cholecystokinin after vagotomy and pyloroplasty, **A1257**
BAILLIE J, JOWELL P, EVANGELOU H, *et al*: Computer graphics simulation as a training tool for flexible sigmoidoscopy and colonoscopy, **A1233**
Balsalazide in ulcerative colitis
  high dose better than sulphasalazine in initial management? **A1217**: in acute relapse, **A1217**
  improved maintenance of remission with 4 g/day compared with 2 g/day, **A1217**
BALSITIS M, MAHIDA Y, and HAWKEY CJ: Increased expression of cell adhesion molecules in active ulcerative colitis, **A1209**
BARDHAM KD, SINGH S, CHERIAN P, *et al*: Colloidal bismuth subcitrate in the treatment of refractory duodenal ulcer, **A584**
BARDHAN KD, GRIFFIN WM, FENN GC, *et al*: Misoprostol protects against and reverses early non-steroidal anti-inflammatory drug induced mucosal damage, **A571**
BARHAM CP, GOTLEY DC, and ALDERSON D: Mechanisms of gastro-oesophageal reflux under ambulant conditions, **A1206**
BARLOW AP and THOMPSON MH: Colonoscopic follow up after resection of colorectal cancer: a selective policy, **A587**
Barrett's columnar lined oesophagus, metaplasia and neoplasia in, role of smoking and alcohol, **A1205**
Barrett's oesophagus
  autocrine growth regulation, mitogenic or oncogenic, **A555**
  bile reflux, **A554**
  epidemiological factors, and risk of adenocarcinoma, **A555**
  experimental, squamous regeneration, effect of antireflux surgery, **A1205**
  intestinal and gastric type, differential endocrinology, **A1205**
  is surveillance worthwhile, **A554**
  pathogenesis, novel epidermal growth factor secreting cell lineage, **A554**
  proliferating cell nuclear antigen immunolocalisation, **A555**
  uncomplicated, twenty four hour ambulatory oesophageal pH monitoring, **A1211**
BARROW L, STEED KP, WATTS PJ, *et al*: Alteration of viscosity in the ascending colon by different dietary substances: effect of lactulose induced accelerated colonic transit, **A562**
BAXTER A, CAMPBELL CJ, CLAYTON NM, *et al*: Ranitidine bismuth citrate, a novel compound possessing gastric antisecretory, mucosal protective, anti-pepsin and anti-Helicobacter properties, **A1227**
BEARCROFT CP, HILL CR, GARVIE NW, *et al*: 99Tc-HMPAO labelled leucocyte scans in inflammatory bowel disease: an audit, **A562**
BEARDSHALL K, ADAMSON D, GILL J, *et al*: *H. pylori* raises the pH in the juxtaepithelial region of the mucus layer of the gastric antrum and body, **A569**
BEECHEY-NEWMAN N, LEE W, WILKINSON M, *et al*: Treatment with high dose octreotide improves the clinical course of acute pancreatitis, **A558**
BELL NJV, RADEMAKER JW, and HUNT RH: Gastric stump carcinoma: does the risk justify screening? **A580**
BELLUZZI A, BRIGNOLA C, CAMPIERI M, *et al*: Zinc sulphate supplementation modifies the long chain fatty acid metabolism in patients with Crohn's disease, **A1241**
BENINI L, AND THE VERONA GENERAL PRACTITIONERS STUDY GROUP: Oesophageal symptoms in the population: a survey by a group of 50 general practitioners on 2200 patients, **A1212**
CALIARI S, BARDELLI E, *et al*: Cisapride in severe chronic constipation: a double blind study, **A575**
  PILATI S, *et al*: Acute dysautonomia: a rare cause of dysphagia and transient achalasic manometry, **A584**
BENSON MJ, CASTILLO FD, DEEKS J, *et al*: Assessment of the effect of cisapride on proximal small bowel motility by prolonged ambulatory manometry, **A591**
  ROBERTS J, ROGERS J, *et al*: Proximal small bowel motility is preserved in the postoperative ileus: fact or fiction, **A1216**
Beta-adrenoceptor pathway modulates nutrient propulsion through small bowel, **A1247**
Betelnut chewing, and protection against ulcerative colitis, **A560**
BHAKTA P, PROBERT CSJ, JAYANTHI V, *et al*: Stoma anxieties of Asian and European patients, **A579**
BIANCHI PORRO G, PARENTE F, CERNUSCHI M, *et al*: Non-Hodgkin's lymphoma and AIDS: frequency of gastrointestinal localisation in a large Italian series, **A1258**
Bile
  acid(s), absorption, ileal mucosal, in IBD, **A582**
    faecal, secondary, increased in new hamster model of colorectal cancer, **A1240**
    plasma disappearance rates, and primary biliary cirrhosis, **A598**
  and DNA damage in animal model, **A1240**
  duct, exploration through intact papilla, **A567**
    secretion of circulating ICAM-1 into, during liver allograft rejections, **A576**
  modulates genotypic and phenotypic characteristics of *G. lamblia*, **A1260**
  qualitative analysis in colorectal cancer, **A1255**
  reflux, in Barrett's oesophagus, **A554**
    and intestinal metaplasia, **A590**
  salt malabsorption, chronic diarrhoea, and previous enteric infection, **A566**
  secretion stimulated by intracerebroventricular neuropeptide Y via vagal mechanism, **A1250**
Biliary
  endoscopes, percutaneous, new, in gall bladder and bile duct, **A1226**
  stents, placement above sphincter of Oddi prolongs stent patency, **A1232**
  tree, three dimensional ultrasound imaging, **A566**
  ultrasound, in the elderly, appropriateness, **A1253**
Biopsy specimens, colonic, method for isolation of viable epithelial cells, **A1239**
BIRNIE GC, FENN GC, SHIELD MJ, *et al*: Double blind comparative study of misoprostol with placebo in acute upper gastrointestinal bleeding, **A1246**
Bismuth pharmacokinetics in healthy male subjects, **A1217**
BLACKBURN A, ALLEN A, PEARSON JP, *et al*: Sensitive quantitative method for estimating pepsin types 1, 3, and 5 in human gastric juice from endoscopy, **A1257**
BLACKMORE M and HIRST BH: An autocrine role for gastrin/cholecystokinin peptides in pancreatic tumour cell growth, **A1239**
BLANSHARD C, DAVIES S, NELSON M, *et al*: Natural history of cryptosporidiosis in HIV infection, **A1225**
  and GAZZARD BG: An algorithm for the investigation of diarrhoea in HIV infection, **A1225**
Bleeding peptic ulcers, endoscopic injection treatment, **A1226**
  reasons for failure, **A1226**
BLOMJOUS JGAM, HOP WCJ, LANGENHORST BLAM, *et al*: Prognosis of adenocarcinoma of the gastric cardia according to TNM classification, **A580**
BLOOM SL and JEWELL DP: Induction of adhesion molecules by cytokines (interferon gamma, interleukin I, tumour necrosis factor alpha, interleukin 6) on the surface of HT 29 and i407 cells, **A1239**
Bombesin reduces food intake in lean but not obese man, **A1229**
BRADBURN DM, MATHERS JC, GUNN A, *et al*: Colonic carbohydrate metabolism in familial adenomatous polyposis, **A1219**
Brain serotonin metabolism, enhanced, hepatic encephalopathy, **A1211**
BRAMBLE MG: Open access endoscopy – a nationwide survey, **A595**
BRAMLEY P, OLDROYD B, STEWART S, *et al*: Osteopenia and liver cirrhosis, **A1251**
BRAY GP, MOWAT C, MUIR DF, *et al*: Alcohol consumption, prognosis and outcome in paracetamol overdose, **A840**
Breath test
  13C urea, quantifying extent of *H. pylori* infection, **A565**
  14C, and problems of using an assumed carbon dioxide output, **A1221**
  to diagnose *H. pylori* in uraemia, **A1220**
BRILLANTI S, MASCI C, RICCI P, *et al*: Significance of serum IgM anti-hepatitis C virus (HCV) in chronic HCV infection, **A1250**
BRITISH ASSOCIATION FOR THE STUDY OF THE LIVER: Spring Meeting, London, February 1991, abstracts, **A837**
BRITISH SOCIETY OF GASTROENTEROLOGY
  Autumn Meeting, Warwick, September 1991, abstracts, **A1203**
  Spring Meeting, Manchester, April 1991, abstracts, **A553**
BRITO MJ, FILIPE MI, ROSA J, *et al*: Early gastric carcinoma: correlation of DNA ploidy, tumour types and prognosis, **A1237**
Bromodeoxyuridine, cell proliferation in colorectal cancer, **A559**
BROWN CM, SLEE B, SANDLE L, *et al*: Symptoms dictate the salivary bicarbonate response to intraoesophageal acidification, **A1212**

BRUCE C, SCOTT PD, RICKERS A, *et al*: No ascorbic acid in acute pancreatitis patients' sera, **A342**
BRUCE DL, WARREN BF, DURDEY P, *et al*: Ultrastructural appearances of the pelvic ileal reservoir mucosa, **A1218**
BULLIMORE D and FOSTER P: Overnight stay or same day discharge after oesophageal dilatation and variceal sclerotherapy? **A598**
BURKE DA, AL JUMAILI B, and RECORD CO: Enhancement of toxin production by verocytotoxin producing *E. coli*: application of method to community acquired diarrhoea, **A592**

Cl secretion inhibited by somatostatin and clonidine, **A578**
Caco-2 Na+/H+ exchange, regulation by serum through novel mechanism which is dependent on actin, **A578**
CACOULLIS F, BATTEN JJ, LOGAN R, *et al*: Quantifying the extent of *H. pylori* infection with the 13C urea breath test, **A565**
CAHILL RJ, O'SULLIVAN KR, MATHIAS PM, *et al*: Effects of selenium and vitamin E supplementation on colonic cell proliferation in patients with adenomatous polyps, **A1235**
Calbindin-D28k immunoreactivity in gastrointestinal nerves and endocrine cells, **A1238**
Calcium pump activity, plasma membrane, inhibition by GI peptides, **A591**
CALIARI S, BENINI L, BONFANTE F, *et al*: Are pancreatic supplements necessary for the absorption of elemental and polimeric diets in severe pancreatic insufficiency? **A583**
CALLEGOS NC, SMALES C, HEMBRY RM, *et al*: Metalloproteinases and TIMP colorectal tumour invasion, **A560**
Calretinin immunoreactivity in gastrointestinal nerves and endocrine cells, **A1238**
CAMBRIDGE G, LEAKER B, STEVENS TRJ, *et al*: Antineutrophil antibodies in inflammatory bowel disease: prevalence, diagnostic role, and antigenic reactivity, **A588**
CAMILLERI M, THOMFORDE G, MINSKE D, *et al*: Gastrointestinal transit, colonic capacitance, and possible mediators in carcinoid diarrhoea, **A1215**
and ZINSMEISTER AR: Strategy for an inexpensive, non-invasive, sensitive test for identification of colonic motility disorders in clinical practice, **A1248**
CAMPBELL WJ, PARKS TG, SPENCE RAJ, *et al*: Can fundoscopy identify patients with the gene causing familial adenomatous polyposis? **A558**
Capan 1 pancreatic tumour cell line, pancreatic secretory trypsin inhibitor secretion, **A1240**
Carbohydrate metabolism, colonic, in familial adenomatous polyposis, **A1219**
Carcinoid diarrhoea, gastrointestinal transit, colonic capacitance, and possible mediators, **A1215**
Cardiac output, and superior mesenteric artery blood flow, postprandial increase, relation between, **A566**
CARNABY S, McHUGH TD, and FARTHING MJG: DNA fingerprinting of *G. lamblia* with the M13 bacteriophage genome, **A596**
KATELARIS PH, *et al*: Genomic evidence for multiple strain involvement in *G. lamblia* infection, **A563**
CARPANI DE KASKI MS, PETERS AM, KNIGHT D, *et al*: 111In whole body retention: a new method for quantification of disease activity in inflammatory bowel disease, **A1209**
CARR EP, KEELING PWN, and TIPTON KF: Kinetic analysis on the effects of cimetidine on human stomach alcohol dehydrogenase activity, **A594**
CARTER PS, DE RUTTER A, WHATRUP C, *et al*: Anal smear or microanoscopy to identify anal intraepithelial neoplasia, **A1204**
Catheters
fine bore silastic and polyurethane, for peripheral intravenous nutrition, **A1242**
perfused, and strain gauge assembly compared, in pharyngo-oesophageal pressure measurement, **A1216**
ultrafine bore, for peripheral intravenous nutrition without thrombophlebitis, **A1242**
CATNACH SM, ANDERSON JV, BESSER GM, *et al*: Impaired gall bladder motility in acromegaly, **A1210**
PARKER E, and FAIRCLOUGH PD: Effect of intermittent oral erythromycin on the gall bladder is maintained medium term, **A569**
CATTERALL AP, KING R, LAU JYN, *et al*: Does alpha interferon priming enhance the efficacy of subsequent alpha interferon therapy in chronic hepatitis B virus infection? **A1230**
CAVALLINI G, TALAMINI G, VAONA B, *et al*: Is smoking associated with the risk of developing pancreatic calcification in patients with chronic pancreatitis? **A1247**
Cell(s)
adhesion molecules, ulcerative colitis, increased expression, **A1209**
division, in small intestinal villus, SV40 T antigen allows resumption, **A1238**
HT29 and i407, induction of adhesion molecules by cytokines, **A1239**
lineage induced by mucosal ulceration in Crohn's disease, **A573**
lines, colon cancer, oestrogen and progesterone receptors, **A1239**
proliferation, assessed by computer aided image analysis, **A1238**
at colonic anastomoses, **A1220**
colonic, in adenomatous polyps, and selenium and vitamin E supplementation, **A1235**
in colorectal cancer, studied with bromodeoxyuridine, **A559**
in colorectal tissue, vitamin D and analogue MC-903 inhibits, **A1219**
rectal, in familial adenomatous polyposis, EGF stimulates, **A1219**
Cephalic phase for pancreatic enzyme secretion in humans? **A1244**
Cephalic stimulation, effect on small bowel motility and intestinal flows, **A590**
Ceruletide, effect on sphincter of Oddi function, **A569**
CEVALLOS AM, JAMES M, CHAR S, *et al*: Variation in pathogenicity between *G. lamblia* isolates, **A596**
CHALLEN C, GUO K, CAVANAGH D, *et al*: Mutational activation of ras oncogenes in human hepatocarcinogenesis, **A838**
CHAR S, CEVALLOS AM, and FARTHING MJG: Modulation of expression of an immunodominant *Giardia* antigen by components of the gastrointestinal tract, **A563**
YAMSON P, *et al*: Chronic diarrhoea and giardiasis: a defect in specific IgA response? **A587**
CHATLANI PT, BARR H, KRASNER N, *et al*: Role of endoscopic interstitial photodynamic therapy in gastgrointestinal neoplasia, **A1227**
CHATTOPADY G, NEWBOLD M, and KUMAR D: Anal transition zone and the distribution of neuroendocrine cells in the anorectum, **A1236**
Cheno/ursodeoxycholic acid combination therapy, gall stone dissolution rate, **A567**
CHESLYN-CURTIS S, GILLAMS A, LAKE S, *et al*: Gall bladder function after percutaneous cholecystolithotomy, **A569**
LAKE S, GILLAMS A, *et al*: Patient selection for new techniques of gall stone management, **A568**
Chest pain, non-cardiac
abnormal oesophageal sensory perception, clue to mechanism, **A1206**
is it gastro-oesophageal reflux? **A1212**
Chest x ray in iatrogenic oesophageal perforation, audit, **A1214**
CHIARIONI G, SCATTOLINI C, BONFANTE F, *et al*: Effect of nifedipine on orocaecal transit in normal subjects: correlation with plasma drug concentration, **A1222**
CHIBA N, RADEMAKER JW, RAO BV, *et al*: Eradication of *H. pylori* – meta-analysis to determine optimal therapy, **A1220**
Child's grade C patients with bleeding oesophageal varices, assessment, **A553**
CHING CK, STARMER SJ, and HOLMES GKT: Is there specific glycoconjugate alteration in coeliac disease? **A595**
THOMPSON S, BUXTON C, *et al*: Evaluation of the new Helico-G ELISA for serological diagnosis of *H. pylori* infection, **A570**
CHITTAJALLU RS, HARWOOD J, DORRIAN CA, *et al*: Is *H. pylori* related hypergastrinaemia due to the bacterium inhibiting parietal cell function? **A1206**
NEITHERCUT WD, and McCOLL KEL: *H. pylori* related hypergastrinaemia is not due to elevation of antral surface pH, **A570**
PHILMORE D, and McCOLL KEL: Comparison of the effect of *H. pylori* on gastrin in duodenal ulcer patients versus asymptomatic volunteers, **A1257**
CHOEN S, HAY AJ, HEARD S, *et al*: Microbioloby of anal fistulas, **A592**
Cholangiocarcinoma, allele loss of chromosomes 1, 5, and 17, **A600**
Cholangitis
primary sclerosing, see Primary sclerosing cholangitis
sclerosing, AIDS related, **A1253**
Cholecystectomy
change in plasma fatty acids after, **A1251**
diarrhoea after, underestimated, **A1254**
gall stones, and colorectal cancer, relation between, **A1252**
laparoscopic and open compared, **A1251**
laser laparoscopic, 150 patients, **A1252**
rare occurrence after endoscopic removal of common bile duct stones, **A1226**
satisfaction of patients, **A1244**
Cholecystokinin
antagonist CR-1409, abolishes pancreatic adaptation to massive enterectomy, **A1247**
no influence on Capan 1 pancreatic tumour cell line, **A1240**
plasma, effect of soybean lectin, **A1247**
raised, after vagotomy and pyloroplasty, **A1257**
response to a very low calorie diet, **A1229**
Cholecystolithiasis, symptomatic, percutaneous rotary lithotrite, local anaesthetic, **A568**
Cholera toxin, 5-HT mediation, **A591**
Cholera toxin induced secretion, role of 5-HT type 3 receptors, **A1217**
Cholestasis, predicting choledocholithiasis with gall bladder stones, **A1233**
Cholesterol
distribution in bile, 1H NMR to determine, **A600**
serum, increased in patients with colorectal adenomas, **A1234**
Chromosome allele loss, in hepatocellular carcinoma, **A838**
Chromosomes 1, 5, and 17, allele loss, in cholangiocarcinoma, **A600**
CIJEVSCHI C, STAN M, SANDULESCU E, *et al*: Endoscopic intravascular oesophageal variceal pressure measurements: response to metoclopramide, **A1230**
Cimetidine
effects on human stomach alcohol dehydrogenase activity, **A594**
no effect on alcohol absorption in healthy volunteers, **A595**

Cirrhosis
active, with or without hepatitis C virus antibodies, ursodeoxycholic acid treatment, **A1230**
with ascites, aprotinin improves renal function, **A1231**
autonomic function tests, **A1249**
liver, and osteopenia, **A1251**
primary biliary, see Primary biliary cirrhosis
Cirrhosis B, active, treatment with hydroxychloroquine, **A1231**
Cisapride
effect on proximal small bowel motility, assessment, **A591**
in severe chronic constipation, **A575**
CLARK CLI, PRICE BA, CRANE PW, *et al*: Small intestinal transplant infiltration, **A596**
CLAYTON HA, LONDON NJM, COLLOBY PS, *et al*: Effect of capsule composition on the in vivo response to alginate/poly-l-lysine capsules, **A343**
CLEMENTS D, MOTLEY RM, EVANS WD, *et al*: Cortical bone loss in patients with inflammatory bowel disease: an eight year longitudinal study, **A1223**
Coeliac disease
endomysial antibody as best screening test, **A1224**
epithelial cell height, **A574**
localisation of increased intestinal permeability, **A1224**
low affinity ATPase calcium compared before and after gluten withdrawal, **A565**
primarily associated with DQA1*0501 DQB1*0201 heterodimer, **A1222**
reduction of duodenal folds seen at endoscopy is predictive, **A565**
specific glycoconjugate alteration, **A595**
COLE AT, CULLINGFORD GL, VARA DD, *et al*: Abnormal pulmonary function in non-smokers with ulcerative colitis and primary sclerosing cholangitis, **A579**
SLATER K, SOKAL M, *et al*: Raised rectal leukotriene B4 and thromboxane B2 values after pelvic radiotherapy – specific targets for therapy? **A1205**
Colitis
acute infective and inflammatory, oxygen free radical production, **A1259**
cotton top tamarin, as model of ulcerative colitis? **A1258**
spectrum of liver disease, **A1258**
microscopic, diagnosis to consider, **A1219**
quiescent, renal toxicity tests, **A562**
Collagen types, distribution in Crohn's disease, **A573**
Collateral blood flow and portal pressure, effect of severe haemorrhage and reperfusion, cirrhotic rat, **A553**
Colloidal bismuth subcitrate, in refractory duodenal ulcer, **A584**
COLLINS JSA, BAMFORD KB, SLOAN JM, *et al*: H. pylori serology or endoscopy in young dyspeptic patients? **A565**
Colon(ic)
adenomas, mucosal proliferation finding, **A560**
anastomoses, cellular proliferation, **A1220**
ascending, viscosity, dietary alteration and lactulose induced accelerated colonic transit, **A562**
circular smooth muscle relaxation by leukocyte derived nitric oxide, **A1248**
and ileum, metabolic patterns, **A559**
ion transport and platelet activating factor, **A1238**
motility disorders, identification, **A1248**
mucosa and tumours, oestrogen receptor mRNA in, **A560**
obstructed, role of metalloproteinases in anastomotic dehiscence, **A1203**
permeability, regional differences, **A1234**
transit, prolonged, effect on oral 5-aminosalicylic acid formulations, **A556**
regional, in severe idiopathic constipation, assessment, **A575**
segmental, measurement using isotope in enteric coated capsules, **A1255**
Colonoscopy
computer graphics simulation as training tool, **A1233**
endoscopy simulator for teaching, **A1232**
findings, predictive factors, in open access endoscopy units, **A577**
follow up after colorectal cancer resection, **A587**
surveillance, in ulcerative colitis, twelve years, **A561**
Colorectal adenomas
and possible increased risk by smokers and drinkers, **A124**
serum cholesterol increased in patients with, **A1234**
Colorectal cancer
adjunctive intraoperative photodynamic therapy, **A1204**
carcinoma, advanced, immunised, interleukin 2 production, **A1204**
cell mediated response after immunisation, **A557**
cells, adherence to suture materials, and safety of stapling, **A559**
containing gastrin precursor, **A560**
detection of malignant cells in peritoneal fluid, **A1204**
Duke's B, histological predictors of poor outcome, **A557, A1254**
fatty acids in phospholipid and neutral lipid fractions, **A1241**
gall stones, and cholecystectomy, relation between, **A1252**
immunocytochemistry in circulating malignant cell detection, **A559**
increased secondary faecal bile acids in new hamster model, **A1240**
invasion, metalloproteinases and TIMP, **A560**
liver metastasis, resection, prognostic factors, **A557**
neoplasia, endoscopic screening in first degree relatives of patients with colorectal cancer, **A1232**
prognosis after urgent admission and subsequent surgery, **A1241**
resection, colonoscopic follow up, selective policy, **A587**
residual, photoimmunotherapy as potential treatment, **A559**
staging and survival, onset of symptoms, **A1260**
surgery, district general/teaching hospital results compared, **A1240**
perioperative heparin a successful adjuvant, **A1240**
tissue, oestrogen and progesterone receptors, **A1239**
tumour activated killer lymphocytes, characteristics, **A1204**
Colorectal liver metastasis, DNA loss, **A1249**
Colorectal mucosa, in IBD, produces reactive oxygen metabolites, **A589**
Colorectal tissue, vitamin D and its analogue MC-93 inhibit cell proliferation, **A1219**
Common bile duct stones
laparoscopic cholecystectomy to predict difficulties, **A567**
management, and avoidance of surgery, **A567**
prediction, ultrasonic duct visualisation, **A1253**
Computer aided image analysis
in localisation and quantification of gastric body proliferative compartment in omeprazole treated rats, **A1238**
in proliferative assessment, **A1238**
Computer graphics simulation as training tool for flexible sigmoidoscopy and colonoscopy, **A1233**
CONNOLLY GM, FORBES A, BLANSHARD C, *et al*: AIDS related sclerosing cholangitis: natural history and influence on overall prognosis, **A1253**
Constipation
dynamic proctography, **A575**
outlet obstruction, pathology and biochemistry of pelvic floor musculature, **A575**
pathophysiology, **A574**
severe, chronic, cisapride, **A575**
disturbed gastric emptying and small bowel transit, **A562**
idiopathic, assessment of regional colonic transit, **A575**
slow transit, existence of colonic neuropathy, **A1255**
Continence, deteriorating, after postanal repair, cause, **A1236**
COPEMAN MB, MATUZ J, ALLEN A, *et al*: H2 antagonists do have direct mucosal protective actions, **A595**
Copper, liver concentrations, and increased plasma metallothionein, **A577**
CORFIELD AP, WARREN BF, and BARTOLO DCC: Biochemical and histochemical analysis of mucin in ileoanal pouches, **A579**
CORSON RJ, O'DWYER ST, PATERSON IS, *et al*: Hind limb ischaemia-reperfusion damages the gut but is not associated with systemic endotoxaemia, **A1222**
PATERSON IS, HANBURY AM, *et al*: Oxygen free radical production in acute infective and inflammatory colitis, **A1259**
Cortical bone loss, in inflammatory bowel disease, eight year study, **A1223**
Cotton top tamarin colitis
as model of ulcerative colitis? **A1258**
spectrum of liver disease, **A1258**
CR2093, therapeutic effect on gastrointestinal tumour cell growth, **A558**
CRABTREE JE, TAYLOR JD, SHALLCROSS TM, *et al*: Western blotting analysis of mucosal and systemic immune responses to *H. pylori*, **A564**
Creon, for pain associated with chronic pancreatitis, **A344**
Crohn's disease
acute, peptide based diet an alternative to elemental diet, **A578**
assessment, indium III tropolone and 99mTc HM-PAO labelled leucocyte scintigraphy compared, **A582**
Bangladeshis and Europeans in Britain, epidemiology, **A1222**
cell lineage morphogenesis and growth factor production, **A573**
distribution of collagen types, **A573**
evidence for accelerated thrombogenesis, **A581**
expression of neutrophil receptors CR3, FcR1, and FcR3, **A1259**
factor XIIa subunit, serological and immunohistochemical study, **A572**
and HSP-60, **A589**
incidence in Leicester, 1972-89, **A579**
localisation of increased intestinal permeability, **A1224**
M. paratuberculosis detection by PCR amplification, **A581**
metalloproteinases in intestine, **A573**
microvascular injury associated with superficial mucosal lesions, **A592**
patterns of mucosal tissue factor expression, **A593**
peripheral blood monocyte cytokine profiles, **A593**
polymerase chain reaction detects *M. paratuberculosis* in tissue extracts, **A572**
relapse rates, after initial treatment with elemental diet or prednisolone, **A582**
and sexual dysfunction, women, a hidden problem, **A1234**
small bowel, improved assessment using Sonde enteroscopy, **A1232**
small bowel ultrasound to detect, **A596**
specific inorganic microparticles in gut tissue in initiation, **A572**
trefoil gene expression induced in intestinal goblet and endocrine cells, **A1208**
yeast antibodies, **A573**
Crohn's sera enhance tissue factor expression by endothelial cells, **A1208**
Cross modality sensitisation of oesophageal pain receptors, **A599**
Cryptosporidiosis, in HIV infection, natural history, **A1225**
CURLEY P, LANCASTER F, SHEFTA J, *et al*: Altered lymphocyte

kinetics early in the course of acute pancreatitis may explain susceptibility to sepsis, **A1258**
and McMAHON MJ: Needle knife sphincterotomy: a ill deserved reputation, **A1232**
Cyclosporin A increases tight junctional permeability, rat liver, **A1249**
Cystic fibrosis, and gastro-oesophageal reflux disease, **A1234**
Cystine, low plasma, a sensitive indicator of small bowel disease, **A1224**
Cytokines
in induction of adhesion molecules on HT29 and i407 cells, **A1239**
mediators of intestinal epithelial cell growth, **A574**
production by colonic intraepithelial lymphocytes in controls and IBD, **A1209**
recombinant, effects on EGF-induced hepatocyte DNA synthesis, **A1239**
values, correlation with haemodynamic and oxygen transport variables, in fulminant hepatic failure, **A577**
Cytomegalovirus infection
in children after liver transplantation, significance, **A1225**
surveillance, culture techniques, liver transplant recipients, **A1250**

DAKKAK M, BENNETT JR, and MASLIN SC: Oesophagitis is as important as oesophageal stricture diameter in determining dysphagia, **A1214**
BUCKTON GK, and BENNETT JR: Peristaltic propagation accelerated after oesophageal stricture dilatation, **A585**
DALTON HR, HOANG P, DE SILVA HJ, *et al*: Cytokine production by human colonic intraepithelial lymphocytes in controls and inflammatory bowel disease, **A1209**
DALVI H, PALMER KR, FERRINGTON C, *et al*: Abnormal gall bladder motility in gastroenterostomy, **A1210**
DAVIDSON T, ALLEN-MERSH TG, GAZZARD B, *et al*: Emergency laparotomy in AIDS, **A592**
DAVIE RJ, HOSIE KB, FREEMAN MS, *et al*: Ileal mucosal bile acid absorption in inflammatory bowel disease, **A582**
DAVIES GR, SIMMONDS NJ, STEVENS TRS, *et al*: Enhanced production of reactive oxygen species by gastric antral mucosa infected with *H. pylori*, **A564**
and RAMPTON DS: Relevance of intestinal bacteria, prostaglandins, and pro-drug administration to NSAID induced increases in gut permeability, **A1224**
DAVIES N, YATES J, TAYLOR BA, *et al*: Effects of octreotide on liver regeneration in the rat, **A1251**
Levamisole and other reticuloendothelial system stimulators: implications for adjuvant treatment, **A1256**
Octreotide inhibits the growth of liver adenocarcinoma in an animal model of liver metastases, **A1228**
DAWSON JW, MORGAN J, BARR H, *et al*: Photoimmunotherapy: a potential treatment for residual colorectal cancer? **A559**
WADDINGTON W, SAVAGE F, *et al*: Is radioimmunolocalisation a feasible technique for the intraoperative detection of intra-peritoneal deposits of colorectal cancer? **A1218**
DE BOER SY, LAM WF, JEBBINK MCW, *et al*: Effect of hyperglycaemia on gall bladder motility and plasma hormone secretion, **A1210**
DE LAZZARI F, DE SILVESTRO G, FABRIS P, *et al*: Modifications of serum TNF and peripheral blood lymphocyte (PBL) subpopulations during recombinant alpha interferon treatment, **A1230**
DE SILVA DGH, DEVASIRI V, GOKA J, *et al*: Serum interleukin 6: a marker for severity of shigellosis, **A588**
DEBNAM ES: Differential effects of fasting and semistarvation on the kinetics of Na dependent glucose uptake by rat jejunal brush border membrane vesicles, **A1223**
Defaecation
does the rectum contract during? **A1256**
simulated, demonstration of colonic peristalsis with anal relaxation and rectal contraction, **A563**
Delormes procedure for rectal prolapse, **A1255**
DENTON GWL, ROBBINS RA, DURRANT LG, *et al*: Cell mediated response in vitro after immunisation of colorectal cancer patients with a human monoclonal anti-idiotypic antibody, **A557**
Interleukin 2 production in patients with advanced colorectal carcinoma immunised with a human anti-idiotypic monoclonal antibody, **A1204**
DEPREZ PH, PLAYFORD RJ, and CALAM J: Effect of soybean lectin on pancreatic secretion and plasma cholecystokinin, **A1247**
DERODRA JK, REIDY JF, and JORDAN MH: Embolisation of superior haemorrhoidal artery for severe rectal bleeding, **A1254**
Desmoid disease, intra-abdominal, in familial adenomatous polyposis palliative surgery, **A1235**
surgical management, **A1235**
survival, **A1255**
DEWSNAP PA, LIBBY GW, and FARTHING MJG: Irritable bowel syndrome and affective disorder: a family history, **A1216**
Diamine oxidase activities, in IBD during pregnancy, **A593**
Diarrhoea
after cholecystectomy, underestimated, **A1254**
chronic, bile salt malabsorption, and previous enteric infection, **A566**
and giardiasis, defect in specific IgA response, **A587**
in HIV infected patients, bacterial infections causing, **A1225**
in HIV infection, algorithm for investigation, **A1225**
laxative induced, failure to diagnose, financial consequences, **A1244**
rotavirus, optimising efficacy of polymeric oral rehydration solutions, **A563**
DIAS JA, MOURAD FH, and FARTHING MJG: Role of 5-hydroxytryptamine type 3 receptors in cholera toxin induced secretion, **A1217**
DICKEY W, ROBERTS G, and PORTER KG: Low plasma cystine is a sensitive indicator of small bowel disease, **A1224**
WATSON RGP, and PORTER KG: Bile duct exploration through the intact papilla, **A567**
Diclofenac, gastroduodenal mucosal effects, unaffected by misoprostol, **A571**
Diet, after restorative proctocolectomy, **A579**
DILLON JF, PLEVRIS JN, EWING DJ, *et al*: Autonomic function tests in cirrhosis, **A1249**
DING S, DOOLEY J, DELHANTY J, *et al*: Chromosome allele loss in hepatocellular carcinoma, **A838**
DING S-F, DOOLEY J, DELHANTY J, *et al*: Allele loss of chromosomes 1, 5, and 17 in cholangiocarcinoma, **A600**
HABIB NA, DOOLEY JJ, *et al*: Different pattern of genomic DNA loss in colorectal liver metastasis and hepatocellular carcinoma, **A1249**
Distension, defining physiological responses of oesophagus, **A1247**
Diverticular disease
acute complication, likelihood of recurrence after, **A1218**
ispaghula husk in relief of symptoms, **A578**
DNA
characterisation of *H. pylori* strains in duodenal ulcer disease family, **A1207**
damage, and bile, animal model, **A1240**
loss, colorectal liver metastasis and hepatocellular carcinoma, **A1249**
ploidy, tumour types and prognosis, in early gastric carcinoma, **A1237**
probes, polymorphic, and diagnosis of familial adenomatous polyposis, **A1203**
synthesis, unscheduled, and omeprazole, 'genotoxicity', **A1208**
DOURAKIS S, BROWN J, GOLDIN R, *et al*: Seroprevalence of anti-core hepatitis C virus antibodies in chronic non-A, non-B liver disease, **A553**
KARAYIANNIS P, *et al*: Serological response and detection of viraemia in acute hepatitis C virus infection, **A839**
DOVER SB, MOORE MR, GRAHAM A, *et al*: Tin-protoporphyrin combined with haem arginate – an improved treatment for acute hepatic porphyria, **A597**
DOVER SR, PLENDERLEITH L, MOORE MR, *et al*: Safety of major surgery in acute hepatic porphyria, **A1250**
DOWLING RH, FULLER R, ULSHEN MH, *et al*: Small and large bowel mRNA in the intestinal adaptation of growth hormone transgenic mice, **A1208**
DQA1*0501 DQB1*0201 heterodimer, coeliac disease primarily associated with, **A1222**
DUANE P, FOSTER PN, WYATT JI, *et al*: Sydney classification of gastritis: the endoscopist's view, **A586**
Duke's B colorectal cancer, histological predictors of poor outcome, **A557, A1254**
DUNCAN A, CAMERON A, MORRIS AJ, *et al*: Financial consequences of failing to diagnose laxative induced diarrhoea, **A1244**
STEWART MS, *et al*: 14C breath tests and problems of using an assumed carbon dioxide output, **A1221**
Duodenal folds, reduction at endoscopy predictive of coeliac disease, **A565**
Duodenal ulcer
acid secretion, effect of eradication of *H. pylori*, **A584**
bleeding and perforation, implications for long term management, **A583**
during maintenance ranitidine therapy, silent and deadly, **A584**
effect of *H. pylori* on gastric emptying of liquids and solids, **A556**
failure to show parietal cell hyperactivity, **A556**
gastrin, gastric acid and pepsin responses during intragastric titration, effect of suppressing *H. pylori*, **A1206**
long term management, new strategy, **A584**
one week's treatment, **A1207**
prediction, and persistent gastritis after ranitidine/antacid therapy, **A595**
refractory, colloidal bismuth subcitrate, **A584**
relapse, result of investigation of teeth, **A1207**
Duodenoscopes, paediatric, in ERCP, indications and results, **A587**
Dysautonomia, acute, causing dysphagia, transient achalasic manometry, **A584**
Dyspepsia
non-ulcer, *H. pylori* in aetiology, **A564**
role of *H. pylori* serology in initial assessment, **A570**
young patients, *H. pylori* serology or endoscopy, **A565**
Dysphagia
acute, open access endoscopy for, Leicestershire, **A1212**
advanced malignant, combined Nd:YAG laser phototherapy and external beam radiotherapy for palliation, **A555**
oesophagitis and oesophageal stricure diameter in determining, **A1214**
Dysplasia, mild, importance in surveillance of ulcerative colitis, **A556**

ECF chemotherapy in oesophageal and stomach advanced adenocarcinoma, **A1211**
Eicosanoids, and platelet activating factor, interactions between, **A1260**
EL NUJUMI AM, FULLARTON GM, CUTHBERT GF, *et al*: Effect of *H.*

pylori on gastric emptying of liquids and solids in duodenal ulcer patients, **A556**
ROWE P, DORRIAN CA, *et al*: Value of 14C urea breath test and urease slide test (CLO test) to diagnose *H. pylori* in uraemic patients, **A1220**
Electromagnetic gall stone lithotripter, new, early experience, **A568**
Elemental diet, Crohn's disease, relapse rates, **A582**
ELISAF M, LIAPIS H, SIAMOPOULOS KC, *et al*: Acid-base and electrolyte abnormalities in alcoholic patients, **A598**
ELLENBOGEN S, BROWNSON P, NOTT DM, *et al*: Mechanical bowel preparation for colorectal surgery – preliminary results of a prospective randomised trial, **A577**
JENKINS SA, GRIME S, *et al*: Effects of instillation of nutrients into the duodenum on gall bladder emptying in man, **A569**
ELLUL JPM, HUSSAINI H, SLAPA RZ, *et al*: Estimation of phospholipid in human gall bladder bile by 1H nuclear magnetic resonance spectroscopy, **A1253**
PARKES H, MURPHY GM, *et al*: Use of one and two dimensional 1H nuclear magnetic resonance spectroscopy to determine the distribution of cholesterol and phospholipid between the micellar and vesicular phases of human bile in vitro, **A600**
WILKINSON ML, McCOLL I, *et al*: Do clinical and biochemical features of cholestasis predict choledocholithiasis in patients with gall bladder stones? A prospective ERCP study including the effects of sphincterotomy on natural history, **A1233**
Enalapril and sclerotherapy of oesophageal varices, **A1227**
Endomysial antibody, as best screening test of coeliac disease, **A1224**
Endoscopes, percutaneous biliary, new, in gall bladder and bile duct, **A1226**
Endoscopy(ic)
biliary stenting, district general hospital, **A586**
biliary stents, minimising failure during exchange, **A1252**
cholangiopancreatography, elderly patients, possible benefit of flumazenil for sedation reversal, **A567**
injection therapy for bleeding peptic ulcer, healing after, **A586**
reasons for failure, **A1226**
with visible vessels, controlled trial, **A1226**
interstitial photodynamic therapy, role in gastrointestinal neoplasia, **A1227**
intravascular oesophageal variceal pressure measurements, response to metoclopramide, **A1230**
open access, for acute dysphagia, Leicestershire, **A1212**
nationwide survey, **A595**
retrograde cholangiopancreatography, hypoxia during, abolition with preoxygenation, **A567**
impact on incidence of acute pancreatitis, west London, **A1243**
necessity, **A586**
paediatric duodenoscopes, indications and results, **A587**
screening for colorectal neoplasia in first degree relatives of patients with colorectal cancer, **A1232**
simulator for teaching colonoscopy, **A1232**
units, open access, predictive factors of colonoscopy findings, **A577**
video recording, in assessment of oesophageal function, **A1212**
Endothelial cell tissue factor enhanced by Crohn's sera, **A1208**
Endothelium derived nitric oxide, hepatic arterial vascular tone control, **A837**
Endotoxaemia
during orthotopic liver transplantation, clinical importance, **A1250**
systemic, not associated with hind-limb ischaemia-reperfusion damage, **A1222**
Energy expenditure, total, in extrahepatic biliary atresia, **A587**
ENGLAND S, DALY MJ, JACOB S, *et al*: Failure to show parietal cell hyperactivity in duodenal ulcer patients, **A556**
Enprostil, in postprandial pancreatic polypeptide and cholecystokinin release, **A583**
Enterectomy, pancreatic adaptation, abolished by CR-1409, **A1247**
Enterocolitis complicating Hirschsprung's disease, **A588**
Enteroscopy
small bowel, with water insufflation, the first 80 cases, **A1226**
Sonde, in improved assessment of small bowel Crohn's disease, **A1232**
Epidermal growth factor
effect on hexosaminidase, **A1258**
-induced hepatocyte DNA synthesis, and recombinant cytokines, **A1239**
role in gastric mucosal adaptation to continued NSAIDs, **A581**
salivary, depression by smoking, **A556**
secreting cell lineage, novel, and Barrett's oesophagus, **A554**
stimulates rectal proliferation in familial adenomatous polyposis, **A1219**
therapeutic use in necrotising enteritis, **A1231**
Epidermal growth regulation, in Barrett's oesophagus, **A555**
Epithelial cell(s)
growth, intestinal, cytokines as mediators, **A574**
height, in coeliac disease and normal patients, **A574**
proliferation, altered, in chronic ulcerative colitis, **A588**
viable, method for isolation from colonic biopsy specimens, **A1239**
Epstein-Barr virus infection, in children after liver transplant, **A1225**
Erythromycin
intermittent oral, effect on gall bladder maintained medium term, **A569**
oral and intravenous, has no effect on distal colonic motility, **A1216**
Escherichia coli adhesion is not related to acute pouchitis, **A1219**
Essential fatty acids, in ulcerative proctocolitis, trial, **A592**
Ethanol
chronic intake, effects on small intestinal and hepatic monoamine oxidase, **A566**
ranitidine but not gastritis or female sex reduces first pass metabolism, **A594**
EVERITT NJ, GLINATSIS M, and McMAHON MJ: Thoracoscopic enucleation of leiomyoma of the oesophagus, **A1213**
MADAN M, ALEXANDER DJ, *et al*: Fine bore silastic and polyurethane catheters for the peripheral venous delivery of intravenous nutrition: a randomised study, **A1242**
EXLEY AR, HOLLIDAY M, LEESE T, *et al*: Prognostic value of serum tumour necrosis factor alpha in severe acute pancreatitis and the effects of plasma infusion, **A342**
Extrahepatic biliary atresia, total energy expenditure, **A587**
Extrahepatic biliary obstruction in elderly, impaired renal function, **A1253**

FACCHINETTI D, PIGOZZI G, BETTINI L, *et al*: Cheno plus ursodeoxycholic acid combination therapy: dose response effect and factors affecting gall stone dissolution rate, **A567**
Factor XIIa subunit in Crohn's disease, serological and immunohistochemical study, **A572**
Familial adenomatous polyposis
colonic carbohydrate metabolism, **A1219**
epidermal growth factor stimulates rectal proliferation, **A1219**
identification of gene causing, fundoscopy, **A558**
intra-abdominal desmoid disease, survival, **A1255**
palliative surgery for intra-abdominal desmoid disease, **A1235**
polymorphic DNA probes and predictive diagnosis, **A1203**
surgical managment of intra-abdominal desmoid disease, **A1235**
see also Adenomatous polyps
Familial hypercholesterolaemia, combined heart-liver transplantation, **A598**
Famotidine
intravenous, in peptic ulcer bleeding, trial, **A571**
no effect on alcohol absorption in healthy volunteers, **A595**
FARMER KCR, OLIVER SE, SPIGELMAN AD, *et al*: Acetylator status: a link between hepatic metabolism and colorectal cancer, **A1255**
and PHILLIPS RKS: Lifetable survival analysis of patients with intra-abdominal desmoid disease in familial adenomatous polyposis, **A1255**
Palliative surgery for intra-abdominal desmoid disease in familial adenomatous polyposis, **A1235**
Reduced mucosal proliferation after ileorectal anastomosis in familial adenomatous polyposis may explain rectal polyp regression, **A1203**
The surgical management of desmoid disease in familial adenomatous polyposis, **A1235**
FAROUK M, GEOGHEGAN JG, and MEYERS WC: Intracerebroventricular neuropeptide Y stimulates bile secretion in the rat via a vagal mechanism, **A1250**
FAROUK R, DUTHIE GS, BARTOLO DCC, *et al*: Failure of internal sphincter relaxation: the cause of fissure? **A1203**
PRYDE A, *et al*: High rectal pressure waves in rectal prolapse are associated with internal sphincter inhibition, **A1235**
FARRANT JM, DOHERTY DG, DONALDSON PT, *et al*: HLA DR-DQ haplotypes in primary sclerosing cholangitis, **A839**
HAYLLAR K, LO SK, *et al*: Survival and use of a prognostic model in primary sclerosing cholangitis, **A1249**
Fasting gas and secretion, response of migrating motor complex, **A1215**
Fat
bolus doses, effects on release of enteroglucagon, peptide tyrosine, tyrosine, gastrin, and cholecystokinin, **A573**
induces small intestinal satiety at a lower caloric threshold than carbohydrate or protein, **A1228**
Fatty acids
long chain, modified by zinc sulphate, in Crohn's disease, **A1241**
in phospholipid and neutral lipid fractions in colorectal cancer, **A1241**
plasma, change after cholecystectomy, **A1251**
FAUCHERON J-L, ALEXANDER A, and IRVING M: Distribution of collagen types in Crohn's disease, **A573**
Felbinac gel, and peripheral parenteral nutrition related thrombophlebitis prophylaxis, **A1242**
FERREIRA M, LLOYD-DAVIES S, BUTLER MG, *et al*: Is the endomysial antibody the best screening test for coeliac disease, **A1224**
Ferromagnetic technique, new, in measurement of orocaecal transit time, **A1215**
FIATARONE JR, BENNETT MK, KELLY P, *et al*: Ranitidine but not gastritis or female sex reduces the first pass metabolism of ethanol, **A594**
Fibronectin and tenascin in Hirschsprung's disease, **A1233**
FILEZ LEA, KERREMANS R, STALMANS W, *et al*: Intravenous aprotinin protects against cell loss during reperfusion of ischemic small intestine, **A1225**
FILIPE MI, MARTIN MH, and LANE DP: Mutant p53 expression in gastric carcinomas is a prognostic indicator, **A1237**
ROKKAS T, and SLADEN GE: Follow up of patients with type III intestinal metaplasia and increased detection of early gastric carcinoma, **A1246**
FINE D, PERRING S, HERBETKO J, *et al*: Three dimensional ultrasound imaging of the biliary tree, **A566**

FINLAY IG, AITCHISON M, GORAM S, *et al*: What is outlet obstruction constipation? – a pathological and biochemical study of the pelvic floor musculature, **A575**
and McKENZIE J: Perineal excision of the rectum for prolapse – a minimally invasive technique to improve functional outcome, **A558**
THORBURN HA, CARTER K, *et al*: How does ispaghula husk relieve symptoms in diverticular disease? **A578**
Fissure possibly caused by failure of internal sphincter relaxation, **A1203**
Fistula
complicating restorative proctocolectomy, **A557**
enterocutaneous, complicating restorative proctocolectomy, **A580**
Flexible sigmoidoscopy, computer graphics simulation as training tool, **A1233**
Flumazenil, sedation reversal, and benefit to elderly after ECP, **A567**
Fluticasone propionate versus prednisolone, in ulcerative colitis, **A560**
Food allergen, and rotavirus infection, IgE production, **A1260**
FRASER AG, PREWETT EJ, HUDSON M, *et al*: Ranitidine, cimetidine, and famotidine have no effect on alcohol absorption in healthy volunteers, **A595**
FRIERI G, AGGIO A, DE PETRIS G, *et al*: Gastric mucosal pH gradient and *H. pylori*, **A570**
FULLARTON GM, CHITTAJALLU R, and McCOLL KEL: Effect of eradication of *H. pylori* on acid secretion in duodenal ulcer patients, **A584**
FALCONER S, CAMPBELL A, *et al*: Effect of nicardipine and ceruletide on sphincter of Oddi function, **A569**
and McCOLL KEL: The effect of H2 blockade on plasma gastrin in the achlorhydric stomach, **A594**
Fulminant hepatic failure, correlation of cytokine values with haemodynamic and oxygen transport variables, **A577**
Fundal tone and compliance, gastric, direct studies, **A590**
Fundoscopy, identifying gene causing familial adenomatous polyposis, **A558**

GABA$_B$ receptor agonist, effect on hypertensive contractions of nutcracker oesophagus, **A585**
Gall bladder
effect of intermittent oral erythromycin maintained medium term, **A569**
emptying, effects of instillation of nutrients into duodenum, **A569**
function after percutaneous cholecystolithotomy, **A569**
microlithiasis, challenging diagnostic problem, **A599**
motility, abnormal, in gastroenterostomy, **A1210**
impaired, in acromegaly, **A1210**
and plasma hormone secretion, effect of hyperglycaemia, **A1210**
mucin glycoprotein, effect of indomethacin, **A1253**
muscle, non-adrenergic non-cholinergic inhibitory innervation, **A1209**
stones, prediction of choledocholithiasis and cholestasis, **A1233**
Gall stone(s)
cholecystectomy, and colorectal cancer, relation between, **A1252**
disease of non-smokers, **A600**
dissolution, cheno plus ursodeoxycholic acid combination therapy, **A567**
lithotripter, electromagnetic, early expeience, **A568**
and long term treatment with octreotide, **A1228**
management, new techniques, patient selection, **A568**
in non-obese people, explained by slow colonic transit, **A1210**
GALLEGOS NC, WOTHERSPOON A, and BOULOS PB: Need for better understanding of gastric lymphoma, **A1257**
gamma delta+T clones from liver biopsy specimens of children with autoimmune chronic active hepatitis and primary sclerosing cholangitis are cytotoxic to human liver target cells, **A839**
Gamma irradiation, effect on isogeneic islet transplantation, **A344**
Gas bloat syndrome, after Nissen fundoplication, **A598**
Gastric
acid, output, portal hypertension, **A553**
responses during intragastric titration in duodenal ulcer, **A1206**
body mucosa, proliferative response to short term omeprazole, **A581**
cancer, cells in culture, effect of somatostatin analogues on proliferation, **A590**
changes to mucus glycoproteins, **A1237**
early, correlation of DNA ploidy, tumour types and prognosis, **A1237**
increased detection, follow up of type III intestinal metaplasia, **A1246**
post gastrectomy follow up, 159 patients, **A581**
incidence and mortality, England and Wales, 1961-1988, **A580**
mutant p53 expression is prognostic indicator, **A1237**
photodynamic and laser therapy compared, **A1214**
serosa positive, failure of R3 radical gastrectomy, **A580**
compliance responses to distension increased by intragastric lipid administration, **A1229**
distension alone plays no part in gastric phase of colonic pressure response to food, **A562**
emptying, disturbed, in short bowel syndrome, **A596**
and small bowel transit, in severe constipation, **A562**
effect of acid suppression and gender, applied potential tomography, **A1237**
of liquids and solids in duodenal ulcer, and H. pylori, **A556**
measurement in infants using applied potential tomography, **A1233**
of non nutrient liquid, importance of antrum, rat, **A590**
fundal tone and compliance, direct studies, **A590**
mucosa, effects of ionic concentration on somatostatin receptor affinity and specific binding, **A581**
pH profiles, 24 hour, in upper gastrointestinal bleeding from peptic ulcers, **A1245**
relaxation responses to distension and feeding, measurement, **A1215**
and small bowel manometry, microcomputer technique for analysis, development and validation, **A1216**
stump carcinoma, does the risk justify screening, **A580**
tumour cell growth, stimulatory effect of histamine, reversal by cimetidine, **A589**
ulceration at low acidity, durations of complete focal mucosal ischaemia required to produce, **A1236**
ulcers, NSAID associated, *see* Non-steroidal anti-inflammatory drug associated gastric ulcers
Gastrin
/cholecystokinin peptides in pancreatic tumour cell growth, autocrine role, **A1239**
circulating, effect on somatostatin concentrations, **A1236**
effect of H2 blockade, achlorhydric stomach, **A594**
effect of *H. pylori*, **A1257**
no influence on Capan 1 pancreatic tumour cell line, **A1240**
precursor, in colorectal cancers, **A560**
receptor antagonist CR2093, effect on gastrointestinal tumour cell growth, **A558**
responses during intragastric titration in duodenal ulcer, effect of suppressing *H. pylori*, **A1206**
Gastritis
chemical, and *H. pylori*, NSAID treatment, **A563**
Sydney classification, endoscopist's view, **A586**
Gastro-oesophageal reflux
causes angina in coronary artery disease? **A1213**
disease in cystic fibrosis, evaluation, **A1234**
influence of hiatal hernia, and treatment results, **A1213**
nifedipine promoting, **A1213**
and non-cardiac chest pain, **A1212**
under ambulant conditions, mechanisms, **A1206**
Gastroenterostomy, and abnormal gall bladder motility, **A1210**
Gastrointestinal
bleeding, upper
acute, double blind misoprostol study with placebo, **A1246**
from peptic ulcers, 24 hour gastric pH profiles, **A1245**
blood loss, undiagnosed, small bowel enteroscopy, **A566**
disorders, functional, incidence and disappearance, **A1249**
endoscopy units, clinical needs for sphincter of Oddi manometry, **A569**
infarction, acute multifocal, ferret model, **A589**
peptides, in inhibition of plasma membrane calcium pump activity, **A591**
tumour cell growth, therapeutic effect of CR2093, **A558**
Gastrojet infusion, ranitidine and intraduodenal nutrition, and stress ulceration prophylaxis? **A1221**
'Genotoxicity', unscheduled DNA synthesis and omeprazole, **A1208**
GEOGHEGAN JG, BRANCH MS, COSTERTON JW, *et al*: Placement of biliary stents above the sphincter of Oddi prolongs stent patency in dogs, **A1232**
LAWSON DC, CHENG CA, *et al*: Fat induces small intestinal satiety at a lower caloric threshold than carbohydrate or protein, **A1228**
Gestational age, influence on pregnancy heartburn, **A599**
GIAFFER MH, HOLDSWORTH CD, and CLARK A: Yeast antibodies in patients with Crohn's disease, **A573**
LENNARD-JONES JE, *et al*: Improved maintenance of remission in ulcerative colitis by balsalazide 4 g/day compared with 2 g/day, **A1217**
GIAMUNDO P, GRAHN MF, O'CONNELL PR, *et al*: Metabolic patterns in normal human ileum and colon, **A559**
Giardia antigen, immunodominant, modulation of expression, **A563**
Giardia lamblia
bile modulates genotypic and phenotypic characteristics, **A1260**
DNA fingerprinting with M13 bacteriophage genome, **A596**
infection, multiple strain involvement, genomic evidence, **A563**
isolates, variation in pathogenicity between, **A596**
Giardiasis, and chronic diarrhoea, defect in specific IgA response, **A587**
GILLAMS A, LAKE SP, CHESLYN-CURTIS S, *et al*: Treatment of symptomatic cholecystolithiasis under local anaesthesia using the percutaneous rotary lithotrite, **A568**
Glucose, indirect utilisation for synthesis of hepatic glycogen, **A1250**
Gluten withdrawal, in coeliac disease, low affinity ATPase calcium compared before and after, **A565**
Glycoconjugate alteration, specific, in coeliac disease, **A595**
Glycoproteins, mucus, changes in gastric cancer, **A1237**
Gold therapy, effect on NSAID peptic damage in rheumatoid arthritis, **A571**
GOMBORONE JE, DEWSNAP PA, LIBBY GW, *et al*: Selective affective biasing in recognition memory in irritable bowel syndrome, **A1249**
GOODLAD RA, LEE CY, ALISON MR, *et al*: 'Genotoxicity', unscheduled DNA synthesis and omeprazole, **A1208**
SCHMIDT G, *et al*: SV40 T antigen allows resumption of cell division in the small intestinal villus of transgenic mice, **A1238**

GORARD DA, HUNT JB, PAYNE-JAMES JJ, *et al*: Relapse rate in Crohn's disease after initial treatment with elemental diet or prednisolone, **A582**
LIBBY GW, and FARTHING MJG: Small intestinal motility in diarrhoea predominant irritable bowel syndrome, **A1248**
GOULD SR, STEWART JB, and TEMPLE LN: Tuberous sclerosis is a common cause of multiple rectal polyps, **A1218**
Graft versus host disease, after reduced size orthotopic liver transplant, **A597**
Graft versus host reactivity, in small bowel transplantation, reduction, **A1222**
GRANAI F, HOOD H, WALSH JT, *et al*: Gastric acid output in portal hypertension: effect of gastropathy and treating oesophageal varices, **A553**
SMART H, and TRIGER DR: Is anaemia a feature of hypertensive gastropathy? **A1211**
GRAY MR, DONNELLY RJ, and KINGSNORTH AN: Role of smoking and alcohol in metaplasia and neoplasia in Barrett's columnar lined oesophagus, **A1205**
HALL PA, LANE D, *et al*: Proliferating cell nuclear antigen immunolocalisation in Barrett's columnar lined oesophagus, **A555**
HOYLE CK, and KINGSNORTH AN: Novel epidermal growth factor secreting cell lineage and pathogenesis of Barrett's columnar lined oesophagus, **A554**
HUNT JA, IRLAM RW, *et al*: Localisation and quantification of gastric body proliferative compartment in omeprazole treated rats using computer aided image analysis, **A1238**
Proliferative assessment by computer aided image analysis – a new technique for objective quantification of gastrointestinal proliferation, **A1238**
and KINGSNORTH AN: Proliferative response of gastric body mucosa to short term administration of omeprazole, **A581**
KINGSNORTH AN, NEMETH J, *et al*: Role of ornithine decarboxylase in the hypergastrinaemic response to achlorhydria in the rat, **A590**
NAGRA RS, WALLACE HM, *et al*: Endogenous hypergastrinaemia stimulates colonic mucosal polyamine biosynthesis and epithelial proliferation, **A1204**
GREEN AT, PUNCHARD NA, and THOMPSON RPH: Trial of essential fatty acids in the treatment of ulcerative proctocolitis, **A592**
GREEN JRB, SWAN CHJ, ROWLINSON AE, *et al*: High dose balsalazide compared with sulphasalazine in the treatment of acute relapse in ulcerative colitis, **A1217**
GREENFIELD SM, HAMBLIN AS, PUNCHARD NA, *et al*: Inhibition of leukocyte adhesion molecule expression: a novel mechanism of action of sulphasalazine, **A1228**
GROBLER S, HOSIE K, and KEIGHLEY MRB: Enterocutaneous fistula complicating restorative proctocolectomy, **A580**
Growth factors, and growth of pancreatic cancer in vitro, **A1244**
Growth hormone transgenic mice, bowel mRNA in intestinal adaptation, **A1208**
Growth regulatory peptides in gastric mucosa, **A1207**
GUADAGNI S, CARTARCI M, CARBONI M, *et al*: Post gastrectomy follow up of 159 patients with early gastric cancer, **A581**
GUDGEON AM, HEATH DI, JEHANLI A, *et al*: Immediate prognostic assessment of acute pancreatitis using assays to quantify pancreatic zymogen activation, **A1247**
Guidewires in gastroenterology, **A1233**
GUPTA R, MOSS S, THOMAS DM, *et al*: *H. pylori* increases release of interleukin 8: a potent attractant of neutrophils, **A1206**

H_2 receptor antagonists
and alcohol, evidence for interaction between, **A1220**
effect on plasma gastrin in achlorhydric stomach, **A594**
histamine, immunomodulatory effects in healthy volunteers, **A1221**
mucosal protective actions, **A595**
tolerance to, and hypergastrinaemia, **A595**
^1H NMR
in estimation of phospholipid in gall bladder bile, **A1253**
to determine distribution of cholesterol and phospholipid between micellar and vesicular phases of bile, **A600**
Haemorrhage, severe, and reperfusion, effects on collateral blood flow and portal pressure, cirrhotic rat, **A553**
Haemostasis and tumour destruction, use of microwaves, **A1227**
HAINES DJ, BIBBEY D, and GREEN JRB: Does sedation reversal by flumazenil benefit elderly patients after endoscopic cholangiopancreatography? **A567**
HAMID S, JAFRI W, QASEEM T, *et al*: Microscopic colitis: a diagnosis to consider, **A1219**
Hapten induced inflammatory bowel disease, model, rabbit colon, **A1260**
HARRISON PM, WENDON JA, GIMSON AES, *et al*: Effect of total hepatectomy with and without orthotopic liver trnsplantation on systemic haemodynamics and oxygen transport variables in fulminant hepatic failure, **A837**
HAWTHORNE AB, RECORD CO, HOLDSWORTH CD, *et al*: Fluticasone propionate versus prednisolone in the treatment of active ulcerative colitis: a multicentre study, **A560**
HEALTH DI and IMRIE CW: Correlation between zymogen activation and tissue damage in acute pancreatitis, **A342**
Heart-liver transplant, combined, in familial hypercholesterolaemia, **A598**
Heartburn, pregnancy, influence of gestational age, **A599**
HEATON KW, EMMETT PM, SYMES CL, BRADDON FEM, and HUGHES AO: Gall stones in people who are not obese may be explained by slow colonic transit, **A1210**
Helico-G ELISA, for serological diagnosis of *H. pylori* infection, **A570**
Helicobacter pylori
in aetiology of non-ulcer dyspepsia, **A564**
colonisation, mucosal eicosanoid synthesis, and NSAIDs, **A1257**
effect of eradication on acid secretion in duodenal ulcer, **A584**
effect on gastric emptying in duodenal ulcer, **A556**
effect of omeprazole, **A565**
effects on gastrin in duodenal ulcer and normal compared, **A1257**
eradication, effect on antral mucus pH, **A571**
metanalysis to determine optimal therapy, **A1220**
one week regime, **A570**
reduces hypergastrinaemia due to proton pump inhibitor, **A564**
found in tooth pickings, **A1207**
and gastric mucosal pH gradient, **A570**
increases release of interleukin 8, potent neutrophil attractant, **A1206**
induced gastritis not caused by bacterial ammonia production, **A1259**
infection, in early childhood, seroepidemiology, **A1231**
evaluation of new Helico-G ELISA for serological diagnosis, **A570**
in gastric antral mucosa, enhanced production of reactive oxygen, **A564**
quantifying extent with 13C urea breath test, **A565**
serum pepsinogen A and C values before and after treatment, **A1207**
metronidazole resistant, two week eradication regime, **A1227**
and peptic ulcer, prevalence and relation to symptoms, **A556**
prevalence of IgG, IgA, and IgM to, 1018 blood donors, **A564**
raises pH in juxtaepithelial region of gastric mucus layer, **A569**
– related hypergastrinaemia, due to bacterium inhibiting parietal cell function? **A1206**
is not due to elevation of antral surface pH, **A570**
serology, or endoscopy in young dyspeptic patients, **A565**
role in initial assessment of dyspepsia, **A570**
simple, modified rapid urease test for detection, **A570**
strains in familial duodenal ulcer disease, DNA characterisation, **A1207**
suppression, effects on gastrin, gastric acid and pepsin responses, **A1206**
in uraemic patients, 14C urea breath and urease slide tests, **A1220**
use of Helico G serological kit, relation to age, **A1257**
western blotting analysis of mucosal and systemic immune responses, **A564**
HENDRICKSE CW, JONES CE, DONOVAN IA, *et al*: Oestrogen and progesterone receptors in colorectal cancer tissue and five colon cancer cell lines, **A1239**
HENDRICKSE MT, THULUVATH PJ, and TRIGER DR: Natural history of autonomic neuropathy in chronic liver disease, **A1210**
and TRIGER DR: Peripheral and autonomic neuropathy in primary biliary cirrhosis, **A597**
HENDRIKSE CW, RADLEY S, DAVIS A, *et al*: Fatty acids in the phospholipid and neutral lipid fractions in colorectal cancer, **A1241**
Heparin, perioperative, successful adjuvant, colorectal cancer surgery, **A1240**
Hepatectomy, total, with and without orthotopic liver transplant, **A837**
Hepatic
arterial vascular tone, and endothelium derived nitric oxide, **A837**
encephalopathy, enhanced brain serotonin metabolism, **A1211**
glycogen, indirect utilisation of glucose for synthesis, **A1250**
micrometastases, renal haemodynamics alteration, **A1241**
porphyria, tin-protoporphyria/haem arginate, **A597**
Hepatitis B virus
infection, does alpha interferon priming enhance the efficacy of subsequent alpha interferon therapy, **A1230**
vaccine, recombinant, pre-S containing, **A1229**
Hepatitis C
anti-core virus antibodies, in non-A, non-B liver disease, **A553**
in chronic active hepatitis and primary biliary cirrhosis, **A554**
in chronic liver disease, **A840**
virus infection, acute, serological response and detection of viraemia, **A839**
in autoimmune chronic hepatitis, geographical heterogeneity, **A839**
significance of serum IgM anti-hepatitis C virus, **A1250**
Hepatobiliary function, processing of novel imaging agent, **A1251**
Hepatocarcinogenesis, mutational activation of ras oncogenes, **A838**
Hepatocellular cancer
experimental, protective role of antiandrogens, **A838**
and hepatocyte growth factor, expression, **A576**
Hepatocellular carcinoma
chromosome allele loss, **A838**
DNA loss, **A1249**
Hepatocyte
DNA synthesis, inhibitory effects of conditioned medium from liver nonparenchymal cells after partial hepatectomy, **A576**
growth factor, associated with hepatocellular cancer, expression, **A576**
proliferation by hepatocyte growth factor, control, **A837**
HERSHMAN MJ and ROSIN RD: Laser laparoscopic cholecystectomy – our first 150 patients, **A1252**
Hiatal hernia, prevalence, gastro-oesophageal reflux, and reflux oesophagitis, **A1213**

Hind limb ischaemia-reperfusion, gut damage but no systemic endotoxaemia, **A1222**
HIND RE, PERRING S, FLEMMING J, *et al*: Lipiodol as a vehicle for targeted internal radiotherapy in liver metastases, **A1240**
Hirschsprung's disease
enterocolitis complicating, increased NK cell infiltration, **A588**
tenascin and fibronectin in, immunohistochemical study, **A1233**
Histamine, effect on gastric tumour cell growth, cimetidine reversal, **A589**
HITCHCOCK RJI, BISHOP AE, and POLAK JM: Neuronal maturation in the myenteric plexus of human fetal and infant oesophagus, **A1214**
HIV infection
bacterial infections causing diarrhoea, **A1225**
cryptosporidiosis, natural history, **A1225**
and diarrhoea, algorithm for investigation, **A1225**
male homosexuals, neuroendocrine cells in rectal biopsy, **A592**
small intestinal permeability, **A597**
HLA class II expression on jejunal mucosal biopsy specimens cultured in vitro, effects of interferon-gamma and tumour necrosis factor alpha, **A573**
HLA DR-DQ haplotypes, in primary sclerosing cholangitis, **A839**
HLA DRB3 locus, oligonucleotide DNA typing, primary sclerosing cholangitis, **A839**
HOLCOMBE C, THOM C, KALUBA J, *et al*: *H. pylori* in the aetiology of non-ulcer dyspepsia, **A564**
HOLT S, GURAM M, and HOWDEN CW: Evidence for an interaction between alcohol and certain H2 receptor antagonists, **A1220**
Hormone, plasma, secretion, effect of hyperglycaemia, **A1210**
HOSEIN VK, THAKKER D, ALLEN A, *et al*: Barrier properties of the adherent gastric mucus gel to pepsin, **A1246**
HOSIE KB, BUSBY J, FERGUSON H, *et al*: Diet after restorative proctocolectomy, **A579**
MOSTAFA AB, TULLEY NJ, *et al*: Increased intestinal transit times potentially increase absorptive capacity after restorative proctocolectomy, **A557**
HOSKING S, HACKING N, HERBETKO J, *et al*: Percutaneous ultrasound guided aspiration of bile for crystals, **A600**
HOUGHTON AD, LIEPINS P, CLARKE S, *et al*: Importance of the antrum in gastric emptying of a non nutrient liquid in the rat, **A590**
HOWARD PJ, MAHER L, PRYDE A, *et al*: Four year prospective study of the presenting features of achalasia in Edinburgh, **A585**
HSP-60, in Crohn's disease and ulcerative colitis, **A589**
HUDSON M, CARR DP, WAKEFIELD AJ, *et al*: Crohn's sera enhance tissue factor expression by endothelial cells, **A1208**
GREENFIELD S, PUNCHARD NA, *et al*: Diamine oxidase activities in inflammatory bowel disease during pregnancy, **A593**
HUTTON RA, DHILLON AP, *et al*: Serological and immunohistochemical study of factor XIIIa subunit in Crohn's disease, **A572**
WAKEFIELD AJ, *et al*: Evidence for accelerated thrombogenesis in Crohn's disease, **A581**
PIASECKI C, SANKEY EA, *et al*: Ferret model of acute multifocal gastrointestinal infarction, **A589**
HUDSON N, BALSITIS M, and HAWKEY CJ: Gastric mucosal leukotriene B4 synthesis and histological gastritis in patients on NSAIDs, **A1256**
Reduction in angiogenesis in NSAID associated gastric ulcers, **A1246**
COLE AT, MURRAY FE, *et al*: Low dose aspirin: an unrecognised cause of gastric mucosal damage, **A1245**
EVERITT SJ, FILIPOWOCZ B, *et al*: Effect of *H. pylori* colonisation on gastric mucosal eicosanoid synthesis in patients using NSAIDs, **A1257**
and HAWKEY CJ: Interobserver variability in assessment of gastric lesions by video endoscopy, **A1256**
Hydroxychloroquine in active cirrhosis B, longterm follow up, **A1231**
5-Hydroxytryptamine
potential role in mediating cholera toxin induced secretion in man, **A591**
type 3, antagonists, role in irritable bowel syndrome and non-ulcer dyspepsia? **A1228**
receptor antagonism, and water absorption during intestinal anaphylaxis, **A1223**
receptors, role in cholera toxin induced secretion, **A1217**
Hypergastrinaemia
due to proton pump inhibitor therapy, eradication of *H. pylori* reduces, **A564**
endogenous, stimulates colonic mucosal polyamine biosynthesis and epithelial proliferation, **A1204**
H. pylori related, and elevation of antral surface pH, **A570**
and tolerance to H2 receptor antagonists, **A595**
Hyperglycaemia, effect on gall bladder motility and plasma hormone secretion, **A1210**
Hypertensive gastropathy, anaemia as feature, **A1211**
Hyposplenism, functional, in IBD, pitted red cell counts, **A1219**
Hypoxia, during ERCP, abolition with preoxygenation, **A567**

ICAM-1, circulating, bile duct secretion during liver rejection, **A576**
IFTIKHAR SY, EVANS DF, STEELE RJC, *et al*: Bile reflux in Barrett's oesophagus, **A554**
STEELE RJC, JAMES PD, *et al*: Surveillance of Barrett's oesophagus: is it worthwhile? **A554**
IgA
prevalence to *H. pylori*, 1018 blood donors, **A564**
response, specific, defect, and chronic diarrhoea and giardiasis, **A587**
IgE
production, food allergen and rotavirus infection, **A1260**
sensitisation to food allergen, and intestinal infection, **A587**
IgG
prevalence to *H.pylori*, 1018 blood donors, **A564**
subclasses in inflammatory bowel disease, **A1259**
IgM
anti-hepatitis C virus, significance in chronic HCV infection, **A1250**
prevalence to *H. pylori*, 1018 blood donors, **A564**
Ileal pouch dialysate and I-407 and HT-29 cell cytotoxicity, bile activity, **A1205**
Ileoanal pouches, biochemical and histochemical analysis of mucin, **A579**
Ileorectal anastomosis, in familial adenomatous polyposis, and rectal polyp regression, **A1203**
Ileum and colon, metabolic patterns, **A559**
Ileus, postoperative, proximal small bowel motility preserved, **A1216**
IMAMURA A, PURI P, O'BRIAIN DS, *et al*: Increased natural killer cell infiltration in enterocolitis complicating Hirschsprung's disease, **A588**
Immotile oesophagus, primary, in young patients, **A1212**
Immunised advanced colorectal carcinoma, interleukin 2 production, **A1204**
IMRAY CHE, MINOURA T, DAVIS A, *et al*: Increased secondary faecal bile acids in a new hamster model of colorectal cancer, **A1240**
Inborn errors of metabolism, pancreatitis a late manifestation, **A343**
Incontinence
anorectal, use of anal plug, **A1203**
neurogenic faecal, abnormal visceral autonomic sensation, **A574**
neuropathic faecal, failure caused by anal anaesthesia, **A575**
Indium-111 whole body retention, assessment of disease activity, IBD, **A1209**
Indomethacin
effect on gall bladder mucin glycoprotein, **A1253**
induced small intestinal damage, rats, and NSAID induced enteropathy in humans, **A1224**
Inflammatory bowel disease
^{99}Tc-HMPAO labelled leucocyte scans, **A562**
antiendothelial cell antibodies, relation to vascular injury, **A1209**
antineutrophil antibodies, prevalence, diagnostic role, and antigenic reactivity, **A588**
antineutrophil cytoplasmic autoantibodies directed against serum cathepsin G, **A1218**
assessment, indium III tropolone and 99mTc HM-PAO labelled leucocyte scintigraphy compared, **A582**
colorectal mucosa produces reactive oxygen metabolites, **A589**
cortical bone loss, eight year longitudinal study, **A1223**
cytokine production by human colonic intraepithelial lymphocytes, **A1209**
detection of *M. paratuberculosis*, **A572**
development, displacement of normal colonic macrophage population by tissue histiocytes, **A588**
during pregnancy, diamine oxidase activities, **A593**
functional hyposplenism in, assessment by pitted red cell counts, **A1219**
hapten induced, model, rabbit colon, **A1260**
IgG subclasses, **A1259**
ileal mucosal bile acid absorption, **A582**
immunological effects of elemental diet, **A1228**
^{111}In whole body retention, new assessment of disease activity, **A1209**
lipocortin-1 antibodies, **A561**
rate of spinal bone loss, four year longitudinal study, **A1223**
serum alkaline phosphatase isoenzymes, **A594**
specificity of mucosal cell mediated immunity, **A1259**
in vitro alpha1 acid glycoprotein synthesis, **A593**
Inflammatory mediators in ulcerative colitis, **A588**
INGHAM CLARK CL, CRANE PW, LEAR PA, *et al*: A potential method of reducing graft versus host reactivity in small bowel transplantation, **A1222**
Injection therapy, endoscopic, for bleeding peptic ulcer, healing after, **A586**
Interferon-alpha
efficacy of subsequent therapy in chronic hepatitis B virus infection, **A1230**
serum TNF and peripheral blood lymphocyte subpopulations during, **A1230**
Interferon-gamma, effects on HLA class II expression, **A573**
Interleukin 1, effect on hexosaminidase, **A1258**
Interleukin 2 production, in advanced colorectal carcinoma immunised with human anti-idiotypic monoclonal antibody, **A1204**
Interleukin 6, serum, marker for severity of shigellosis, **A588**
Interleukin 8, *H. pylori*, increasing release, neutrophil attractant, **A1206**
Internal sphincter inhibition, and high rectal pressure waves in rectal prolapse, **A1235**
Internal sphincter relaxation, failure, possible cause of fissure, **A1203**
Intestinal
infection, effect on oral IgE sensitisation to a food allergen, **A587**
metaplasia, relation to atrophy and bile reflux, **A590**
transit times, increased, after restorative proctocolectomy, **A557**

Intragastric lipid administration dose dependently increases gastric compliance responses to distension, **A1229**
Intrahepatic portal occlusion by microspheres, portal hypertension model, **A1210**
Intralesional treatment of idiopathic oesophageal ulcers in AIDS, **A1213**
Intraoesophageal acidification, symptoms dictate salivary bicarbonate response, **A1212**
Intraoperative photodynamic therapy, for colorectal cancer, **A1204**
Iron deficiency anaemia, investigation audit, outpatients, **A1245**
Iron status modulates heme uptake by small intestine, **A1223**
Irritable bowel syndrome
and affective disorder, family history, **A1216**
diarrhoea predominant, small intestinal motility, **A1248**
selective affective biasing in recognition memory, **A1249**
Ischaemic mucosa, see Mucosa, ischaemic
Isogeneic islet transplantation, effect of gamma irradiation, **A344**
Ispaghula husk, in relief of symptoms in diverticular disease, **A578**
Italy, donation and liver transplantation, survey of attitudes, **A597**
ITO cell proliferation, and phenotypic modulation, in acute liver injury, **A837**

JACOMB-HOOD JH, VAN SOMEREN RNM, BENSON MJ, *et al*: Guidewires in gastroenterology, **A1233**
JAFFE V, ALEXANDER B, and MATHIE RT: Intrahepatic portal occlusion by microspheres: a new model of portal hypertension in the rat, **A1210**
JAGO R and McCOLL I: Experience with 97 laparoscopic cholecystectomies: prediction of difficult operations and management of common duct stones, **A567**
JAMES M, KUMAR D, FIELDING JWL, *et al*: Resection of liver metastasis from colorectal cancer: prognostic factors, **A557**
JAMESON JS, ROGERS J, RAIMUNDO AH, *et al*: Oral and intravenous erythromycin has no effect on distal human colonic motility, **A1216**
JANKOWSKI J, AL-RAWI HJ, JOHNSTON DA, *et al*: Growth regulatory peptides in gastric mucosa, **A1207**
COGHILL G, HOPWOOD D, *et al*: Oncogenes and oncosuppressor genes in adenocarcinoma of the oesophagus, **A1205**
HOPWOOD D, PENSTON JG, *et al*: Autocrine growth regulation in Barrett's oesophagus – mitogenic or oncogenic? **A555**
and WORMSLEY KG: Proliferating cell nuclear antigen in oesophageal diseases; correlation with ligand expression, **A599**
Jaundice, effect on N-6 fatty acid induced monocyte TNF production, **A1252**
JAYANTHI V, PROBERT CSJ, and MAYBERRY JF: Incidence of Crohn's disease in Leicester, 1972-89, **A579**
JAZRAWI RP, DE CAESTECKER J, GOGGIN P, *et al*: Early and late plasma disappearance rates for bile acids identify different defects in liver disease, **A598**
Jejunal brush border membrane vesicles, Na dependent glucose uptake, **A1223**
Jejunal mucosal biopsy specimens cultured in vitro, HLA class II expression, effects of interferon-gamma and TNF-alpha, **A573**
Jejunoileal resection, colon preservation is equivalent to 50 cm of jejunum but increases risk of renal stones, **A591**
Jejunostomy, oral salt supplements, **A1242**
JENKINS AP, EDE RJ, PEMBERTON J, *et al*: Early experience with a new electromagnetic gall stone lithotripter, **A568**
GHATEI MA, BLOOM SR, *et al*: Effects of bolus doses of fat on release of enteroglucagon, peptide tyrosine, tyrosine, gastrin, and cholecystokinin, **A573**
JENKINS SA, ELLENBOGEN S, BAXTER JN, *et al*: Sandostatin in the long term management of portal hypertension – a preliminary prospective randomised controlled clinical trial, **A838**
JIANG WG and PUNTIS MCA: Effect of jaundice on N-6 fatty acid induced monocyte tumour necrosis factor production, **A1252**
Regulation of monocyte lysosomal enzyme secretion by tumour necrosis factor, interleukins, and epidermal growth factor, **A1258**
JOHNSON SJ, HINES JE, and BURT AD: Perisinusoidal (ITO) cell proliferation and phenotypic modulation in acute liver injury, **A837**
JOHNSTON BJ, HILL MJ, and REED PI: Fifteen year retrospective study of oesophageal carcinoma presenting to an endoscopy unit, **A555**
JONES PDE, HUDSON N, and HAWKEY CJ: Depression of salivary epidermal growth factor by smoking, **A556**

KALABAKAS A, PORTER A, BIRCH M, *et al*: A study of microwaves for haemostasis and tumour destruction in gastroenterology, **A1227**
VAN SOMEREN RNM, BENSON MJ, *et al*: Study of 24 hour gastric pH profiles in patients with major upper gastrointestinal bleeding from peptic ulcers, **A1245**
KAPUR P, DAVIES N, GILLESPIE J, *et al*: Transforming growth factor alpha is trophic to pancreatic cancer in vivo, **A558**
DAVIES NM, GILLESPIE J, *et al*: Reversal of transforming growth factor alpha stimulated pancreatic cancer growth in vivo by somatostatin analogue RC-160, **A1243**
KAR P, GOGNA A, and ACHARYA NR: Microlithiasis of the gall bladder – a challenging diagnostic problem, **A599**
KATELARIS PH, LOWE D, NORBU P, *et al*: Field trial of a simple modified rapid urease test for the detection of *H. pylori*, **A570**
McHUGH TD, CARNABY S, *et al*: Bile modulates genotypic and phenotypic characteristics of *G. lamblia*, **A1260**
TIPPETT G, BRENNAN R, *et al*: Prevalence of *H. pylori*,, and peptic ulcer and relation to symptoms in a Tibetan refugee population in southern India, **A556**
KAY PM, CHALONER C, MADDISON J, *et al*: Increased lipid isomerisation in acute pancreatitis – evidence of oxidative stress, **A558**
KEIGHLEY MRB, ASPERER J, GROBLER S, *et al*: Is a loop ileostomy desirable in restorative proctocolectomy? **A579**
HOSIE K, *et al*: Fistula complicating restorative proctocolectomy, **A557**
TSANG G, and BACELAR T: Sodium sulphate is cheaper and at least as good as picolax for bowel preparation, **A577**
KELLY SM, DICKINSON RJ, JENNER JR, *et al*: Gastric mucosal adaptation to continued NSAID administration: role of epidermal growth factor, **A581**
MIDDLETON SJ, CRAMPTON J, *et al*: Eradication of *H. pylori*: effect on the antral mucus pH, **A571**
KENNEDY NP, HENEHAN GTM, McDONALD GSA, *et al*: Effects of chronic ethanol intake on small intestinal and hepatic monoamine oxidase in the rat, **A566**
KERIN MJ, WAI D, MACFIE J, *et al*: Percutaneous pancreatic biopsy – a sensitive and efficient diagnostic measure, **A343**
KHANDAKER MAK, SCOTT A, EASTWOOD MA, *et al*: Do teeth predispose to duodenal ulcer relapse? **A1207**
KING RFGJ, IBRAHIM K, MADAN M, *et al*: Indirect utilisation of glucose for the synthesis of hepatic glycogen in man, **A1250**
KINGSTON RD, FIELDING JWL, and PALMER M: Perioperative heparin – a successful adjuvant to surgery in colorectal cancer, **A1240**
JEACOCK J, and WALSH S: Urgent admission and subsequent surgery for colorectal cancer has a poor prognosis? **A1241**
WALSH S, and JEACOCK J: Survival after surgery for colorectal cancer is as good in district general hospital practice as in teaching hospital practice, **A1240**
KOUROUMALIS EA: Treatment of active cirrhosis B with hydroxychloroquine: longterm fololw up of an open study, **A1231**
Ursodeoxycholic acid in late primary biliary cirrhosis: long term follow up, **A1251**
KUMAR D, BENSON MJ, ROBERTS J, *et al*: Existence of colonic neuropathy in slow transit constipation: evidence from a histological survey, **A1255**
TSANG G, and JAMES R: Impact of a late meal on rapid eye movement/non-rapid eye movement sleep activity, **A1248**
Kupffer cells release a 95 kD metalloproteinase with degradative activity against gelatin, **A837**

LACEY LF, FRAZER NM, KEENE ON, *et al*: Bismuth pharmacokinetics in healthy male subjects after twice daily oral dosing for 10 days with ranitidine bismuth citrate, tri-potassium di-citrato bismuthate (De-Noltab), or placebo, **A1217**
LACOMBE DLP, SAVAGE FJ, HEMBRY RM, *et al*: Obstructed colon: do metalloproteinases have a role in anastomotic dehiscence? **A1203**
Lactulose induced accelerated colonic transit, **A562**
LADAS SD, TASSIOS PS, KATSOGRIDAKIS J, *et al*: Clinical needs for sphincter of Oddi manometry in gastrointestinal endoscopy units, **A569**
Laparoscopic cholecystectomy
district general hospital service, **A568**
prediction of difficult operations, **A567**
results in unselected series of 100 patients, **A568**
Laparotomy, emergency, in AIDS, **A592**
LARVIN M, PERRY SA, RAMSDEN CW, *et al*: Endotoxaemia during orthotopic liver 'transplantation: a clinically important problem? **A1250**
Laser hyperthermia, interstitial, in inoperable liver metastases, **A1230**
Laser laparoscopic cholecystectomy, 150 patients, **A1252**
Laser treatment for malignant dysphagia, limitations, **A1226**
Laxative induced diarrhoea, financial consequences of diagnostic failure, **A1244**
LAZZARONI M, PARENTE F, and BIANCHI PORRO G: Inhibition of nocturnal gastric secretion is unnecessary for ulcer healing: further confirmation, **A1236**
LEATHER AJM, GALLEGOS N, KOGAN G, *et al*: Value of immunocytochemistry in the detection of circulating malignant cells in colorectal cancer, **A559**
YIU CY, KOCJAN G, *et al*: Detection of malignant cells in peritoneal fluid in colorectal cancer, **A1204**
LEE CN, JAYANTHI V, McDONALD B, *et al*: Does betelnut chewing protect Asians against ulcerative colitis? **A560**
LEE JCW, GUTTERIDGE CN and RAMPTON DS: Expression of neutrophil receptors CR3, FcR1, and FcR3 in Crohn's disease, **A1259**
LEESE T, SANTOSCOY R, MORGAN WP, *et al*: Laparoscopic cholecystectomy – a district general hospital service, **A568**
Leiomyoma, oesophageal, thoracoscopic enucleation, **A1213**
LENZI MN, JOHNSON PJ, McFARLANE IG, *et al*: Geographical heterogeneity of hepatitis C virus infection in autoimmune chronic hepatitis, **A839**
Leukocyte adhesion molecule expression, inhibition, and sulphasalazine, **A1228**

Leukocyte derived nitric oxide, and colonic circular smooth muscle relaxation, **A1248**
Leukotriene B4
raised rectal values after pelvic radiotherapy, **A1205**
B4 synthesis, and NSAIDs, **A1256**
Levamisole and others, implications for adjuvant treatment, **A1256**
LEWIS W, HOLDSWORTH PJ, SAGAR P, *et al*: Results of restorative proctocolectomy in patients over the age of 50 years, **A1255**
LI J, WALSH TN, O'DOWD G, *et al*: Squamous regeneration in experimental Barrett's oesophagus: effect of antireflux surgery, **A1205**
LIEVERSE RJ, JANSEN JBMJ, VAN DE ZWAN A, *et al*: Bombesin reduces food intake in lean but not obese man, **A1229**
VAN SETERS AP, *et al*: Plasma cholecystokinin response to a very low calorie diet, **A1229**
LIM SG, MENZIES IS, LEE CA, *et al*: Small intestinal permeability in HIV positive patients, **A597**
LINDLEY KJ, SAMPSON MAG, MULLER DPR, *et al*: Vitamin E deficiency, lipid peroxidation, and small intestinal function in the Wistar rat, **A1232**
Lipid isomerisation, increased, in acute pancreatitis, and oxidative stress, **A558**
Lipid peroxidation, vitamin E deficiency, and small intestinal function, **A1232**
Lipiodol as vehicle for radiotherapy in liver metastases, **A1240**
Lipocortin-1 antibodies, in inflammatory bowel disease, **A561**
LIRUSSI F, BECCARELLO A, and OKOLICSANYI L: Ursodeoxycholic acid treatment in active cirrhosis with or without hepatitis C virus antibodies, **A1230**
Lithotrite, percutaneous rotary, in symptomatic cholecystolithiasis, local anaesthesia, **A568**
Liver
adenocarcinoma, octreotide inhibition, liver metastases, **A1228**
copper concentrations, increased plasma metallothionein values, **A577**
disease, chronic, aminoglycoside nephrotoxicity, controlled clinical trial, **A554**
assessment by magnetic resonance relaxation times, **A554**
and autonomic neuropathy, natural history, **A1210**
and hepatitis C, **A840**
in cotton top tamarin colitis, **A1258**
injury, acute, perisinusoidal cell proliferation and phenotypic modulation, **A837**
metastases, from colorectal cancer, resection, prognostic factors, **A557**
inoperable, interstitial laser hyperthermia, **A1230**
lipiodol as vehicle for targeted internal radiotherapy, **A1240**
transplant, and chemical denervation, and liver blood flow, **A577**
children, cytomegalovirus and Epstein-Barr virus infection, **A1225**
and cytomegalovirus surveillance, **A1250**
and donation, survey of attitudes in northern Italy, **A597**
LO SK, CUSICK P, FLEMING KA, *et al*: Prevalence of anti-neutrophil antibody in primary sclerosing cholangitis and ulcerative colitis using an alkaline phosphatase technique, **A1211**
LOBO AJ, BURKE DA, SOBALA GM, *et al*: Oral tobramycin in ulcerative colitis: effect on maintenance of remission, **A578**
SAGAR PM, ROTHWELL J, *et al*: *E. coli* adhesion is not related to acute pouchitis, **A1219**
LOFTUS IM, LONDON NJM, THIRDBOROUGH S, *et al*: Isogeneic islet transplantation – the effect of gamma irradiation, **A344**
LOGAN RFA, LITTLE J, TURNER ID, *et al*: Do smokers and drinkers have an increased risk of colorectal adenomas, **A1241**
LOGAN RPH, GUMMETT PA, KARIM NQ, *et al*: A two week eradication regime for metronidazole resistant *H. pylori*, **A1227**
MISIEWICZ JJ, *et al*: A one week eradication regime for *H. pylori*, **A570**
One week's treatment for duodenal ulcer, **A1207**
POLSON RJ, MISIEWICZ JJ, *et al*: A new strategy for long-term management of duodenal ulcer, **A584**
LOKE RHT, CRAIG PI, HATFIELD ARW, *et al*: Experience with new percutaneous biliary endoscopes in the gall bladder and bile duct, **A1226**
LONDON NJM, THIRDBOROUGH SM, SWIFT SM, *et al*: Human reconstituted (SCID-hu) severe combined immunodeficient (SCID) mouse: a model for isogeneic and allogeneic human islet transplantation, **A343**
Loop ileostomy, desirable in restorative proctocolectomy, **A579**
Low calorie diet, plasma cholecystokinin response, **A1229**
LOWES JR, IBBOTSON JP, CHAHAL H, *et al*: Specificity of mucosal cell mediated immunity in inflammatory bowel disease, **A1259**
Luminal growth factor activity proximal to entry of pancreatic juice, **A574**
Lymphocytes, early alteration in acute pancreatitis, and sepsis, **A1258**
Lymphoma, gastric, need for better understanding, **A1257**
LYNCH DAF, LOBO AJ, SOBALA GM, *et al*: Twelve years of surveillance colonoscopy in ulcerative colitis, **A561**
SOBALA GM, LOBO AJ, *et al*: Importance of mild dysplasia in surveillance of ulcerative colitis, **A556**

McCOLL KEL, DAHILL S, EL NUJUMI A, *et al*: *H. pylori*, induced gastritis is not caused by bacterial ammonia production, **A1259**
DORRIAN C, EL NUJUMI A, *et al*: Eradication of *H. pylori*, reduces hypergastrinaemia due to proton pump inhibitor therapy, **A564**
McCORMICK PA, GREENSLADE L, McINTYRE N, *et al*: Aminoglycoside nephrotoxicity in chronic liver disease: a controlled clinical trial, **A554**
SAWYERR A, HUDSON M, *et al*: Antiendothelial cell antibodies in primary biliary cirrhosis, **A576**
McCUE JL, SHEFFIELD JP, UFF C, *et al*: Anastomotic cancer: do sutures matter? **A1220**
McCULLOUGH JB, BATMAN PA, MILLER ARO, *et al*: Neuroendocrine cells in rectal biopsy specimens of male homosexuals infected with human immunodeficiency virus (HIV): **A592**
McCURE JL and PHILLIPS RKS: Cellular proliferation at colonic anastomoses, **A1220**
MACDONALD A, PATERSON PJ, BAXTER JN, *et al*: Does the rectum contract during defecation? **A1256**
McDOUGALL NI, DICKEY W, COLLINS JSA, *et al*: Does prolonged ambulatory oesophageal pH monitoring influence clinical management? **A585**
McGIBNEY CA, BYRNE PJ, LAWLOR P, *et al*: Gastro-oesophageal reflux disease in cystic fibrosis: evaluation with combined oesophageal and gastric pH monitoring, **A1234**
MACGILCHRIST AJ, CUMMING A, CRAIG K, *et al*: Aprotinin improves renal function in cirrhosis with ascites, **A1231**
CUMMING AD, CRAIG K, *et al*: Impaired renal function in elderly patients with extrahepatic biliary obstruction, **A1253**
McINTYRE AS, KNOWLES K, and LONG RG: Double blind crossover study of a GABAB receptor agonist on the hypertensive contractions of nutcracker oesophagus, **A585**
and LONG RG: A prospective audit of investigations in out-patients with iron deficiency anaemia, **A1245**
MACKAY PM, MILLAR MR, LEVENE MI, *et al*: Aztreonam prevents necrotising enterocolitis in premature neonates, **A1231**
McKIERNAN PJ, GLASGOW JFT, GUINEY EJ, *et al*: Total energy expenditure in extrahepatic biliary atresia, **A587**
McKIRDY M and JOHNSON CD: Non-adrenergic non-cholinergic inhibitory innervation in human gall bladder muscle, **A1209**
MACMAHON M, KELLY M, NUNES D, *et al*: Small intestinal bacterial overgrowth in the elderly – an incidental finding? **A596**
WALSH TN, BRENNAN P, *et al*: Biliary ultrasound in the elderly, how appropriate? **A1253**
McMAHON MJ, THOMAS WFG, and PUNTIS MCA: Enteric coated microspheres of pancreatin (creon) in the treatment of pain associated with chronic pancreatitis: a double blind randomised placebo controlled crossover study, **A344**
MADAN M, ALEXANDER DJ, and McMAHON MJ: Effects of osmolality and heparin with hydrocortisone on thrombophlebitis in peripheral intravenous nutrition, **A1242**
Ultrafine bore catheters for intravenous nutrition – peripheral venous nutrition without thrombophlebitis, **A1242**
Magnetic resonance relaxation, in chronic liver disease, **A554**
Malignant cells, detection in peritoneal fluid in colorectal cancer, **A1204**
Manometry, gastric and small bowel, microcomputer technique, **A1216**
MANSFIELD JC, GIAFFER MH, CANN PA, *et al*: Is high dose balsalazide better than sulphasalazine in initial management of ulcerative colitis? **A1217**
MANTZARIS GI, PANAGOU E, HATZIS A, *et al*: Serum cholesterol is increased in patients with colorectal adenomas, **A1234**
MARKER AJ, BUSHFIELD M, PALMER S, *et al*: Control of hepatocyte proliferation by hepatocyte growth factor, **A837**
MARRERO JM, GOGGIN PM, DE CAESTECKER JS, *et al*: Influence of gestational age on pregnancy heartburn, **A599**
MARTIN A, ROSSARO L, MANGANELLI AM, *et al*: Donation and liver transplantation: a survey of attitudes in northern Italy, **A597**
MARTIN DF: How to minimise failure during exchange of endoscopic biliary stents, **A1252**
NICHOLSON DA, and SHERIDAN MB: Small bowel ultrasound to detect Crohn's disease, **A596**
MARTINES D, LORA L, PLEBANI M, *et al*: Cyclosporin A increases the tight junctional permeability in rat liver, **A1249**
MASON RC, HIGHLEY M, BRIGHT N, *et al*: Treatment of advanced adenocarcinoma of the oesphagus and stomach with epirubicin, cisplatin, and continuous 5-fluorouracil, **A1211**
MASTERS A, STEGER AC, LEES WR, *et al*: Interstitial laser hyperthermia: a percutaneous therapy for inoperable liver metastases, **A1230**
MASTRANDREA PAOLA G, LUCA MG, KUSSTATSCHER S, *et al*: Predictive factors of colonoscopy findings in open access endoscopy units, **A577**
MATHIE RT, ALEXANDER B, RALEVIC V, *et al*: Role of endothelium derived nitric oxide in the control of hepatic arterial vascular tone, **A837**
MAXTON DG, HAIGH CG, and WHORWELL PJ: 5-Hydroxytryptamine 3 antagonists: role in irritable bowel syndrome and non-ulcer dyspepsia? **A1228**
MAYBERRY MK, PROBERT CS, and MAYBERRY JF: Education, employment, and inflammtory bowel disease, **A1258**
MAZLAM MZ, CUNNINGHAM J, and HODGSON HJF: Effect of

sulphasalazine and 5-aminosalicylic acid on alpha1 acid glycoprotein synthesis in vitro, **A589**
and HODGSON HJF: In vitro alpha1 acid glycoprotein synthesis in inflammatory bowel disease, **A593**
and HODGSON HJF: Peripheral blood monocyte cytokine profiles differ between Crohn's disease and ulcerative colitis, **A593**
MEALY K, BURKE P, and HYLAND J: Is anterior resection without a defunctioning colostomy safe? **A1235**
Mechanical bowel preparation
for colorectal surgery, prospective randomised trial, **A577**
sodium sulphate cheaper and at least as good as picolax, **A577**
MEENAN J, O'FARRELLY C, KEELING PWN, *et al*: A method for the isolation of viable epithelial cells from human colonic biopsy specimens, **A1239**
Megarectum and megacolon, idiopathic, alternative surgery, **A575**
MEHAL WZ, WORDSWORTH PB, BELL JL, *et al*: Oligonucleotide DNA typing analysis of the HLA DRB3 locus in patients with primary sclerosing cholangitis (PSC), **A839**
MEHTA AJ, DE CAESTECKER JS, and NORTHFIELD TC: A clue to the mechanism of abnormal oesophageal sensory perception in non-cardiac chest pain, **A1206**
and NORTHFIELD TC: Cross modality sensitisation of oesophageal pain receptors, **A599**
Does gastro-oesophageal reflux cause angina in coronary artery disease? **A1213**
Nifedipine promotes gastro-oesophageal reflux, **A1213**
MENDALL MA, GOGGIN P, BELLHOUSE A, *et al*: Performance of a commercially available serological test for *H. pylori*, and its relation to age, **A1257**
MENKE-PLUYMERS MBE, HOP WCJ, DEES J, *et al*: Length of columnar lined oesophagus, sex, age, smoking and drinking habits and risk of adenocarcinoma in Barrett's oesophagus, **A555**
MERCER P, HARRISON M, REID F, *et al*: Relation between gall stones, cholecystectomy, and colorectal cancer: a necropsy study, **A1252**
MERRETT MN, CROTTY BJ, MORTENSEN N, *et al*: Ileal pouch dialysate is cytotoxic to I-407 and HT-29 cells: bile may be the active factor, **A1205**
DE SILVA HJ, RHODES JM, *et al*: Colonic type mucin occurs in the ileal pouch and small intestinal Crohn's strictures, but not in coeliac disease, **A1254**
MORTENSEN N, KETTLEWELL MGW, *et al*: Smoking and pouchitis, **A1254**
Metalloproteinases
95 kD, with degradative activity against gelatin, **A837**
in intestine, Crohn's disease, **A573**
role in anastomotic dehiscence, obstructed colon, **A1203**
and TIMP, in colorectal tumour invasion, **A560**
Metallothionein, increased plasma, liver diseases, **A577**
Metaplasia, type III intestinal, and increased early gastric carcinoma detection, **A1246**
Metoclopramide, and endoscopic intravascular oesophageal variceal pressure measurements, **A1230**
Metronidazole resistant *H. pylori*,, two week regime, **A1227**
Microcomputer technique for analysis of gastric and small bowel manometry, **A1216**
Microlithiasis, gall bladder, challenging diagnostic problem, **A599**
Microvascular injury and superficial mucosal lesions in Crohn's disease, **A592**
Microwaves, for haemostasis and tumour destruction, **A1227**
Micturition, obstructed, pelvic floor causes, women, **A562**
MIDDLETON SJ and HUNTER JO: Colonic circular smooth muscle relaxation by leukocyte derived nitric oxide, **A1248**
LI D, WRAIGHT EP, *et al*: Assessment of the activity and extent of Crohn's disease: a comparative study of indium III tropolone and 99mTc HM-PAO labelled leucocyte scintigraphy, **A582**
Comparative study of 99mTc HM-PAO and indium 111 tropolone leucocyte scintigraphy in inflammatory bowel disease, **A582**
RIORDAN AM, and HUNTER JO: Peptide based diet: an alternative to elemental diet in the treatment of acute Crohn's disease, **A578**
Migrating motor complex, response to fasting gas and secretion, **A1215**
MILES AG, ALLEN-MERSH TG, and WASTELL C: Experimental anal dilatation, **A578**
MILLER GV and PRIMROSE JN: Effect of somatostatin analogues on the proliferation of gastric carcinoma cells in culture, **A590**
Influence of growth factors on growth of pancreatic cancer in vitro, **A1244**
WOODHOUSE I, FARMERY SM *et al*: Effects of ionic concentration on somatostatin receptor affinity and specific binding in human gastric mucosa, **A581**
Misoprostol
does not prevent gastroduodenal mucosal effects of diclofenac, **A571**
with placebo, in acute upper gastrointestinal bleeding, **A1246**
protects against and reverses early NSAID induced mucosal damage, **A571**
versus placebo, to prevent acute upper gastrointestinal haemorrhage recurrence, **A572**
Monoamine oxidase, small intestinal and hepatic, effects of chronic ethanol intake, **A566**
Monocyte lysosomal enzyme secretion, regulation by TNF, IL1 and EGF, **A1258**
MOODY G, PROBERT CSJ, SRIVASTAVA E, *et al*: Sexual dysfunction among women with Crohn's disease: a hidden problem, **A1234**
MORGAN AG, CRABTREE JE, HEATLEY RV, *et al*: Role of *H. pylori*, serology in the initial assessment of patients with dyspepsia, **A570**
MORGAN DG, BELL NJV, JAMES C, *et al*: Gastrojet infusion of ranitidine and intraduodenal nutrition: a more rational prophylaxis for stress ulceration? **A1221**
MORRIS AJ, WASSON L, and MACKENZIE JF: Small bowel enteroscopy in undiagnosed gastrointestinal blood loss, **A566**
PARK RHR, *et al*: Improved assessment of small bowel Crohn's disease using Sonde enteroscopy, **A1232**
Small bowel enteroscopy with water insufflation – the first 80 cases, **A1226**
MORTON DG, MACDONALD F, RINDL M, *et al*: Polymorphic DNA probes and predictive diagnosis of familial adenomatous polyposis: a population based study, **A1203**
MOSS M, SANDERSON JD, TIZARD M, *et al*: Detection of *M. paratuberculosis* in long term cultures of Crohn's disease by polymer chain reaction amplification, **A581**
MOSS S, AYESU K, LI SK, *et al*: Gastrin, gastric acid and pepsin responses during intragastric titration in duodenal ulcer patients, effect of suppressing *H. pylori*, **A1206**
Motility
colonic, distal, oral and intravenous erythromycin has no effect, **A1216**
return after sigmoid colectomy using ambulatory technique, **A1215**
proximal small bowel, preserved in postoperative ileus, **A1216**
small intestinal, in diarrhoea predominant irritable bowel syndrome, **A1248**
MOTLEY RJ, CLEMENTS D, EVANS WD, *et al*: Rate of spinal bone loss of patients with inflammatory bowel disease: four year longitudinal study, **A1223**
MOURAD FH, DIAS JA, O'DONNELL LJD, *et al*: Effect of 5-HT type 3 receptor antagonism on water absorption during intestinal anaphylaxis, **A1223**
Intestinal exposure to food allergen during recovery from rotavirus infection: effects on IgE production and water absorption upon rechallenge, **A1260**
O'DONNELL LJD, JAMES M, *et al*: Effect of intestinal infection on oral IgE sensitisation to a food allergen, **A587**
mRNA, small and large bowel, in intestinal adaptation of growth hormone transgenic mice, **A1208**
Mucin
colonic type, in ileal pouch and small intestinal Crohn's strictures but not coeliac disease, **A1254**
in ileoanal pouches, biochemical and histochemical analysis, **A579**
Mucosa (I)
alkaline phosphatase indicating ulcerative colitis disease activity, **A1256**
blood flow, gastric and duodenal, and NSAIDs, **A1221**
cell mediated immunity, specificity in IBD, **A1259**
colonic, site of platelet activating factor action, **A1234**
eicosanoid synthesis, effect of *H. pylori*, and NSAIDs, **A1257**
gastric, and growth regulatory peptides, **A1207**
proliferation, measurement combining histochemistry and flow cytometry, **A1208**
gastric antral, infected with *H. pylori*, reactive oxygen species production, **A564**
injury, NSAID-induced, effect on pH and gastrin profiles, **A1221**
ischaemia, complete focal, durations required to produce gastric ulceration at low acidity, **A1236**
oestrogen receptor mRNA in, **A560**
polyamine biosynthesis, colonic, endogenous hypergastrinaemia stimulating, **A1204**
potential difference, regional variation in generation, **A1245**
proliferation in adenomas, suitable biomarker, **A560**
tissue factor expression, normal intestine and Crohn's disease, **A593**
tissue-type plasminogen activator activity in peptic ulcer, **A1237**
Mucus gel, adherent gastric, to pepsin, barrier properties, **A1246**
Mucus glycoproteins, changes in gastric cancer, **A1237**
MULCAHY H, LOHAN A, PATCHETT S, *et al*: Staging and survival of patients with colorectal cancer: the die is cast at onset of symptoms, **A1260**
TONER M, DALY L, *et al*: Histological predictors of poor outcome in Duke's B colorectal cancer, **A557, A1254**
MULDER TPJ, JANSSENS AR, VERSPAGET HW, *et al*: Increased plasma metallothionein values in patients with liver diseases associated with increased liver copper concentrations, **A577**
MULLAN FJ, SPENCER EFA, and JOHNSTON GW: Are Child's grade C patients with bleeding oesophageal varices worth treating? **A553**
MULLER AF, CORNFORD E, and TOGHILL PJ: Assessment of functional hyposplenism in inflammatory bowel disease by pitted red cell counts, **A1219**
and COWLEY AJ: Relation between the postprandial increase in superior mesenteric artery blood flow and cardiac output, **A566**
MURRAY FE, FILIPOWICZ B, and HAWKEY CJ: Effect of indomethacin

on human gall bladder mucin glycoprotein synthesis and secretion, **A1253**
Muscularis mucosae, focal spasm induces ischaemia and ulceration, **A1246**
Mutant p53 expression in gastric carcinomas is a prognostic indicator, **A1237**
MWANTEMBE O and FERGUSON A: Immunological effects of elemental diet in in. mmtory bowel disease – a prospective study, **A1228**
Mycobacterium paratuberculosis
detection by PCR amplification in Crohn's disease, **A581**
detection by PCR in Crohn's disease tissue extracts, **A572**
detection in inflammatory bowel disease, **A572**
Myenteric neurons
opioid immunoreactivity, **A1223**
stomach, effect of destruction by benzalkonium chloride on gastric acid secretion and gastrin release, **A594**
Myenteric plexus, fetal and infant oesophagus, neuronal maturation, **A1214**

N-6 fatty acid induced monocyte tumour necrosis factor production, **A1252**
NASIM MM, THOMAS DM, ALISON MR, *et al*: Transforming growth factor alpha expression in normal gastric epithelium, intestinal metaplasia, dysplasia, and gastric carcinoma, **A1237**
Nasogastric tube feeding, and percutaneous endoscopic gastrostomy compared, in oropharyngeal dysphagia, **A566**
Natural killer cell infiltration, increased, in enterocolitis complicating Hirschsprung's disease, **A588**
Nd-YAG
laser ablation, endoscopic, of bleeding vascular malformations, **A586**
laser phototherapy and external beam radiotherapy combined, for palliation of advanced malignant dysphagia, **A555**
and photodynamic laser therapy compared, for obstructing oesophageal and gastric cancer, **A1214**
Nec otising enteritis, therapeutic use of epidermal growth factor, **A1231**
Necrotising enterocolitis, premature neonates, prevention by aztreonam, **A1231**
Needle knife sphincterotomy, ill deserved reputation? **A1232**
NELSON MR, SHANSON DC, and GAZZARD BG: Bacterial infections capable of causing diarrhoea in HIV infected patients, **A1225**
NEMETH J, TAYLOR BA, and DOCKRAY GJ: Human colorectal cancers contain gastrin precursor, **A560**
NEUMANN CS, HERON RJL, and COOPER BT: Twenty four hour ambulatory oesophageal pH monitoring in uncomplicated Barrett's oesophagus, **A1211**
Neuroendocrine cells
distribution in anorectum, and anal transition zone, **A1236**
in rectal biopsy specimens of male homosexuals infected with HIV, **A592**
Neurogenic faecal incontinence, abnormal visceral autonomic sensation, **A574**
Neuronal maturation, myenteric plexus, fetal and infant oesophagus, **A1214**
Neuropathy
colonic, existence in slow transit constipation, **A1255**
peripheral and autonomic, in primary biliary cirrhosis, **A597**
Neuropeptide Y, intracerebroventricular, stimulates bile secretion via vagal mechanism, **A1250**
Neutrophil receptors CR3, FcR1, and FcR3, in Crohn's disease, **A1259**
NG BJ, SEOW F, and NGU MC: Regional variation in the generation of gastric mucosal potential difference, **A1245**
NG DPK and LONG RG: Low affinity ATPase calcium compared in coeliac patients before and after gluten withdrawal, **A565**
McINTYRE AS, SMITH J, *et al*: Reduction of duodenal folds seen at endoscopy is predictive of coeliac disease, **A565**
Nicardipine, effect on sphincter of Oddi function, **A569**
NICHOLS PH, MILLER GV, RAMSDEN CW, *et al*: Immunomodulatory effects of histamine H2 receptor antagonists in healthy volunteers, **A1221**
NICHOLSON DA, MAXTON D, TWEEDLE DEF, and MARTIN DF: Management of common bile duct stones – can we avoid surgery? **A567**
Nifedipine
effect on orocaecal transit in normal subjects, **A1222**
promotes gastro-oesophageal reflux, **A1213**
NIGHTINGALE JMD, GERTNER DJ, WOOD SR, *et al*: After jejunoileal resection preservation of the colon is equivalent to 50 cm of jejunum but increases the risk of renal stones, **A591**
LENNARD-JONES JE, WALKER ER, *et al*: Oral salt supplements to compensate for jejunostomy losses: comparison of sodium chloride capsules, glucose electrolyte solution, and glucose polymer electrolyte solution, **A1242**
VAN DER SIJP JRM, KAMM MA, *et al*: Disturbed gastric emptying in short bowel syndrome: correlation with jejunal length and evidence for a 'colonic brake', **A596**
Nissen fundoplication, gas bloat syndrome after, **A598**
Nocturnal gastric secretion, inhibition is unnecessary for ulcer healing, **A1236**
Non-adrenergic non-cholinergic inhibitory innervation, in gall bladder muscle, **A1209**
Non-Hodgkin's lymphoma and AIDS, frequency of gastrointestinal involvement, **A1258**
Non-steroidal anti-inflammatory drug(s)
associated gastric ulcers, reduction in angiogenesis, **A1246**
and chemical gastritis, **A563**
effect of *H. pylori*, colonisation on gastric mucosal eicosanoid synthesis, **A1257**
and gastric and duodenal mucosal blood flow, **A1221**
gastroduodenal mucosal effects, unaffected by misoprostol, **A571**
in general practice, review, **A1217**
induced gastric mucosal injury, effect on intragastric pH and gastrin profiles in healthy volunteers, **A1221**
induced increases in gut permeability, other relevances, **A1224**
induced mucosal damage, misoprostol protects against and reverses, **A571**
leukotriene B4 synthesis, **A1256**
long term, prevalence of oesophagitis, **A1214**
mucosal adaptation, and epidermal growth factor, **A581**
peptic damage, in rheumatoid arthritis, gold therapy reducing, **A571**
and ulcer complications, patient understanding, need for improvement, **A1220**
NOTT DM, YATES J, GRIME JS, *et al*: Do alterations in renal haemodynamics predict the presence of hepatic micrometastases, **A1241**
NOUR S, MANGNALL Y, JOHNSON AG, *et al*: Measurement of gastric emptying in infants using applied potential tomography, **A1233**
Nuclear magnetic resonance to determine distribution of cholesterol and phospholipid between micellar and vesicular phases of bile, **A600**
Nutcracker oesophagus, effect of GAGAB receptor agonist on hypertensive contractions, **A585**
Nutrition, peripheral intravenous, *see* Peripheral intravenous nutrition
NUUTINEN PJO, CHATLANI PT, BEDWELL J, *et al*: Photodynamic therapy on the pancreas and adjacent normal tissues in the hamster, **A1243**
NWOKOLO CU, BICKLEY J, ATTARD AR, *et al*: DNA characterisation of *H. pylori*, strains in three generations of a duodenal ulcer disease family, **A1207**

O'BRIEN CJ, McKENNA DM, HOLDEN H, *et al*: Distal ulcerative colitis: evidence of abnormal mucosal immunity in the proximal colon, **A593**
O'BRIEN JD, ASHLEY J, and LANGMAN MJS: Peptic ulcer disease: the north/south divide? 1983-1985, **A1245**
Octreotide
effects on liver regeneration, **A1251**
high dose, improves clinical course of acute pancreatitis, **A558**
inhibits growth of liver adenocarcinoma in liver metastases, **A1228**
in long term treatment of gall stones, **A1228**
Oesophagitis
as important as oesophageal stricture diameter in determining dysphagia, **A1214**
oesophageal acid clearance before and after healing, **A1213**
oesophageal transit before and after healing, **A585**
prevalence in subjects on long term NSAIDs, **A1214**
Oesophagus (oesophageal)
acid, clearance before and after healing of oesophagitis, **A1213**
reduced sensitivity, and reflux oesophageal strictures, **A586**
adenocarcinoma, oncogenes and oncosuppressor genes in, **A1205**
cancer, photodynamic and laser therapy compared, **A1214**
carcinoma, presenting to endoscopy unit, **A555**
defining physiological responses to distension, **A1247**
dilatation and variceal sclerotherapy, overnight stay or same day discharge, **A598**
diseases, proliferating cell nuclear antigen, and ligand expression, **A599**
function, assessed by endoscopic video recording, **A1212**
testing, cost effective? **A1244**
nutcracker, effect of GAGAB receptor agonist on hypertensive contractions, **A585**
pain, long term clinical review, **A599**
receptors, cross modality sensitisation, **A599**
pH monitoring, simultaneous two level, in gastro-oesophageal reflux and controls, **A1214**
twenty four hour ambulatory, in uncomplicated Barrett's oesophagus, **A1211**
redox potential, **A585**
sensory perception, abnormal, in non-cardiac chest pain, mechanism, **A1206**
spasm, diffuse, condition missed by clinician and radiologist, **A1206**
and stomach adenocarcinoma, chemotherapy treatment, **A1211**
stricture dilatation, peristaltic propagation accelerated after, **A585**
symptoms in the population, 50 general practitioners and 2200 patients, **A1212**
transit, before and after healing of oesophagitis, **A585**
ulcers, idiopathic, in AIDS, intralesional treatment, **A1213**
varices, bleeding, in Child's grade C patients, are they worth treating? **A553**
enalapril and sclerotherapy, **A1227**
Oestrogen receptors
in colorectal cancer tissue and five colon cancer cell lines, **A1239**
mRNA, in large bowel, and large bowel tumours, **A560**
O'HANRAHAN T, VALLI A, and BANCEWICZ J: Gas bloat syndrome after Nissen fundoplication, **A598**
O'KEEFE SJD, BENNET WM, AND HAYMOND MW: Somatostatin

suppresses raised pancreatic enzyme synthesis and secretion but results in stagnant pooling of enzyme stores in short bowel syndrome patients with secretory diarrhoea, **A1244**

O'KELLY TJ, HUMPHRIES MS, and MORTENSEN NIMcC: An anal plug for use in anorectal incontinence, **A1202**

Oligonucleotide DNA typing analysis of HLA DRB3 locus, in primary sclerosing cholangitis, **A839**

OLIVEIRA RB, MIRANDA JR, BAFFA O, *et al*: Measurement of orocaecal transit time by a new ferromagnetic technique, **A1215**

Omeprazole
- antral progastrin concentrations after, **A594**
- effect in *H. pylori*, **A565**
- localisation and quantification of gastric body proliferative compartment, **A1238**
- proliferative response of gastric body mucosa, **A581**
- and unscheduled DNA synthesis, 'genotoxicity', **A1208**

Oncogenes and oncosuppressor genes, in oesophageal adenocarcinoma, **A1205**

O'NEILL JS, SUC B, TURNBULL LW, *et al*: Scoring CT scans in severe pancreatitis, **A583**

Opioid immunoreactivity, in myenteric neurons, small intestine, **A1223**

Ornithine decarboxylase
- in hypergastrinaemic response to achlorhydria, rat, **A590**
- mucosal, increased activity in operated stomach, potential biomarker for malignant risk, **A580**

Orocaecal transit, effect of nifedipine, normal subjects, **A1222**

Orophargyngeal dysphagia, percutaneous endoscopic gastrostomy and nasogastric tube feeding compared, **A566**

Orthotopic liver transplantation, graft versus host disease after, **A597**

ORTIZ J, OYA M, BACELAR T, *et al*: Cause of deteriorating continence after postanal repair, **A1236**

ROBSON A, *et al*: Anal anaesthesia is a common cause of failure after surgical treatment of neuropathic faecal incontinence, **A575**

Osteopenia and liver cirrhosis, **A1251**

OWEN WJ, ANGGIANSAH A, and BRIGHT NF: Diffuse oesophageal spasm – a condition which is missed by the clinician and the radiologist, **A1206**

and BRIGHT NF: Oesophageal function testing: is it cost effective? **A1244**

OXNER RBG, SIMMONDS NJ, GERTNER DJ, *et al*: Controlled trial of endoscopic injection treatment for bleeding from peptic ulcers with visible vessels, **A1226**

Oxygen free radicals
- do not activate zymogens of rat pancreatic juice, **A342**
- production in acute infective and inflammatory colitis, **A1259**

P53 and the adenoma-carcinoma sequence, **A1203**

PANAGAMUA B, TULLEY N, NOTGHI A, *et al*: Measurement of segmental colonic transit in idiopathic constipation using orally administered isotope in enteric coated capsules, **A1255**

Pancreas, pancreatic
- and adjacent normal tissues, photodynamic therapy, hamster, **A1243**
- biliary diversion increases luminal growth factor activity proximal to the entry of pancreatic juice, **A574**
- biopsy, percutaneous, sensitive and efficient diagnostic measure, **A343**
- calcification, and smoking risk, in chronic pancreatitis, **A1247**
- cancer, advanced exocrine, somatostatin analogue RC-160 in treatment, **A342**
  - impact of technology on outcome, **A582**
  - incidence and mortality, England and Wales, 1961-1988, **A580**
  - in vivo, transforming growth factor ' trophic to, **A558**
- disease, benign, outcome of surgical management, **A344**
- enzyme secretion, cephalic phase? **A1244**
  - and synthesis, in short bowel syndrome, **A1244**
- pseudocysts, prediction of outcome, **A344**
- secretion, effect of soybean lectin, **A1247**
- secretory trypsin inhibitor, secretion by Capan 1 pancreatic tumour cell line, **A1240**
- supplements, in severe pancreatic insufficiency, **A583**
- tumour cell growth, autocrine role for peptides, **A1239**
- tumour cell line, endocrine sensitivity, **A583**

Pancreastatin, effect on insulin release and secretin stimulated exocrine pancreatic secretion, **A1243**

Pancreatectomy, distal, spleen preserving, for pancreatic disease, **A344**

PANCREATIC SOCIETY OF GREAT BRITAIN AND IRELAND: 15th annual meeting, Manchester, November 1990, abstracts, **A342**

Pancreatin, enteric coated microspherers, in chronic pancreatitis, **A344**

Pancreatitis, acute
- assessment to quantify pancreatic zymogen activation, **A1247**
- correlation between zymogen activation and tissue damage, **A342**
- early altered lymphocytes, and sepsis, **A1258**
- high dose octreotide improves clinical course, **A558**
- impact of ERCP on incidence, west London, **A1243**
- increased lipid isomerisation, evidence of oxidative stress, **A558**
- sera, without ascorbic acid, **A342**
- serum vitamin C, **A583**

Pancreatitis, chronic
- creon for pain, **A344**
- natural and unnatural course, medical surgical series, **A1243**
- smoking and risk of pancreatic calcification, **A1247**

Pancreatitis
- complicated, results in disease specific impairment of clearance of protease-antiprotease complexes, **A342**
- late manifestation of inborn errors of metabolism, **A343**
- severe, scoring CT scans, **A583**
- severe acute, prognostic value of serum TNF-alpha, **A342**

PAPACHRYSOSTOMOU M, GRIFFIN TMJ, FERRINGTON CM, *et al*: Dynamic proctography in constipated subjects, **A575**

Papilla, intact, bile duct exploration through, **A567**

Paracetamol overdose, alcohol consumption, prognosis and outcome, **A840**

Parietal cell function, bacterium inhibiting, and *H. pylori*, related hypergastrinaemia, **A1206**

Parietal cell hyperactivity, failure to show in duodenal ulcer, **A556**

PARIKH DH, TAM PKH, VANVELZEN D, *et al*: Extracellular matrix components, tenascin and fibronectin in Hirschsprung's disease: an immunohistochemical study, **A1233**

PARK RJR, ALLISON MC, LANG J, *et al*: Comparison of percutaneous endoscopic gastrostomy with nasogastric tube feeding in the management of patients with oropharyngeal dysphagia requiring long term enteral nutritional support, **A566**

PARKER D and HEATON KW: Diarrhoea after cholecystectomy: an underestimated problem? **A1254**

PARSONS MA, RODGERS GR, TEJURA S, *et al*: Protective role of antiandrogens in experimental hepatocellular cancer, **A838**

PATEL N, WARD UM, BROWN AK, *et al*: Tolerance to H2 receptor antagonists – is hypergastrinaemia the cause? **A595**

PATEL S, REW DA, COOPER A, *et al*: Measurement of human gastric mucosa proliferation combining histochemistry and flow cytometry, **A1208**

PAYNE-JAMES JS, KAPADIA S, BRAY MJ, *et al*: Role of felbinac gel in the prophylaxis of peripheral parenteral nutrition related thrombophlebitis, **A1242**

Peanut lectin, mitogenic response of normal colonic epithelium, and lectin histochemistry, **A559**

Pelvic floor causes of obstructed micturition in women, **A562**

Pelvic ileal reservoir mucosa, ultrastructural appearances, **A1218**

Pelvic radiotherapy, raised rectal leukotriene B4 and thromboxane B2 values, **A1205**

Pepsin, titration in duodenal ulcer, and effect of suppression of *H. pylori*, **A1206**

Pepsin types 1, 3 and 5 estimation from gastric juice, **A1257**

Pepsinogen A and C, serum, and *H. pylori*, infection treatment, **A1207**

Peptic ulcer
- bleeding, healing after endoscopic injection therapy, **A586**
  - intravenous famotidine, trial, 1005 patients, **A571**
- disease, mucosal tissue-type plasminogen activator activity, **A1237**
  - north/south divide, 1883-1985, **A1245**
- and *H. pylori*, prevalence and relation to symptoms, **A556**
- NSAID, arthritic joint dysfunction as predictor, **A1221**
- upper gastrointestinal bleeding, 24 hour gastric pH profiles, **A1245**

Peptide based diet, alternative to elemental diet in acute Crohn's disease, **A578**

Percutaneous cholecystolithotomy, gall bladder function after, **A569**

Percutaneous endoscopic gastrostomy
- and nasogastric tube feeding compared, in oropharyngeal dysphagia, **A566**
- radiological and endoscopic methods compared, **A1242**

Percutaneous jejunostomy, radiological and endoscopic methods compared, **A1242**

Percutaneous pancreatic biopsy, sensitive and efficient diagnostic measure, **A343**

Perforation, oesophageal, iatrogenic, chest x ray in diagnosis, audit, **A1214**

Perineal excision for rectal prolapse, minimally invasive technique, **A558**

Peripancreatic fluid collections, acute, natural history, **A343**

Peripheral blood monocyte cytokine profiles, differ between Crohn's disease and ulcerative colitis, **A593**

Peripheral intravenous nutrition
- effects of osmolality and heparin with hydrocortisone on thrombophlebitis, **A1242**
- fine bore silastic and polyurethane catheters for, **A1242**
- without thrombophlebitis, ultrafine bore catheters, **A1242**

Peripheral parenteral nutrition related thrombophlebitis, felbinac gel, **A1242**

Perisinusoidal cell proliferation, and phenotypic modulation, in acute liver injury, **A837**

Peristaltic propagation accelerated after oesophageal stricture dilatation, **A585**

Permeability, colonic, regional differences, **A1234**

pH
- antral mucus, effect of eradication of *H. pylori*, **A571**
- gastric antrum, and *H. pylori*, related hypergastrinaemia, **A570**
- gastric mucosal, and *H. pylori*, **A570**

Pharyngo-oesophageal pressure measurement, strain gauge assembly and perfused catheter compared, **A1216**

Pharynx, radial and axial asymmetry, **A599**
Phosphatidate phosphohydronase, hepatic, in alcoholic fatty liver, **A838**
Phospholipid
  distribution in bile, 1H NMR to determine, **A600**
  estimation in gall bladder bile by 1H NMR spectroscopy, **A1253**
Photodynamic therapy
  ampulla of Vater malignancies, **A1252**
  and Nd-YAG laser therapy compared, for oesophageal and gastric cancer, **A1214**
  on pancreas and adjacent normal tissues, hamster, **A1243** Photoimmunotherapy, potential treatment for residual colorectal cancer, **A559**
PIASECKI C and THRASIVOULOU C: Durations of complete focal mucosal ischaemia required to produce gastric ulceration at low acidity, **A1236**
  Focal spasm of gastric muscularis mucosae can induce focal ischaemia and ulceration, **A1246**
Plasminogen activator, mucosal tissue-type, in peptic ulcer disease, **A1237**
Platelet activating factor
  and colonic ion transport, **A1238**
  and eicosanoids, interactions between, **A1260**
  site of action on colonic mucosa, **A1234**
PLAYFORD RJ, DEPREZ PH, WOODBURN J, *et al*: Secretion of pancreatic secretory trypsin inhibitor by Capan 1 pancreatic tumour cell line is not influenced by cholecystokinin or gastrin, **A1240**
  WOODMAN AC, WATANAPA P, *et al*: Pancreatic biliary diversion increases luminal growth factor activity proximal to the entry of pancreatic juice, **A574**
Polymer chain reaction, *M. paratuberculosis* detection, Crohn's disease, **A572**, **A581**
Polymeric oral rehydration solutions, in rotavirus diarrhoea, **A563**
Polymorphic DNA probe diagnosis of familial adenomatous polyposis, **A1203**
Polyps, multiple rectal, tuberous sclerosis is common cause, **A1218**
PONZ DE LEON M, SCALMATI A, RONCUCCI L, *et al*: Cell proliferation in colorectal cancer studied with in vivo administration of bromodeoxyuridine, **A559**
Porphyria, acute hepatic, safety of major surgery, **A1250**
Portal hypertension
  gastric acid output, effect of gastropathy and treating oesophageal varices, **A553**
  new model, intrahepatic portal occlusion by microspheres, **A1210**
  somatostatin in long term management, **A838**
Portal systemic shunting, and use of biodegradable Tc albumin microspheres, **A553**
Post gastrectomy follow up of 159 patients with early gastric cancer, **A581**
Postanal repair, deteriorating continence after, cause, **A1236**
POSTON GJ, SCHALLY AV, SCHALLY AM, *et al*: Phase one study on the use and tolerance of somatostatin analogue RC-160 in the treatment of patients with advanced exocrine pancreatic cancer, **A342**
Pouchitis
  acute, *E. coli* is not related, **A1219**
  and smoking, **A1254**
POWELL JJ, AINLEY CC, KENDALL MD, *et al*: Specific inorganic microparticles in gut tissue may initiate Crohn's disease, **A572**
Pre-S containing recombinant HBV vaccine, **A1229**
Prednisolone
  Crohn's disease, relapse rates, **A582**
  versus fluticasone propionate, in ulcerative colitis, **A560**
Pregnancy
  heartburn, influence of gestational age, **A599**
  inflammatory bowel disease during, diamine oxidase activities, **A593**
Preoxygenation, and abolition of hypoxia during ERCP, **A567**
Primary biliary cirrhosis
  antiendothelial cell antibodies, **A576**
  and early and late plasma disappearance rates for bile acids, **A598**
  peripheral and autonomic neuropathy, **A597**
  and ursodeoxycholic acid, **A1251**
Primary sclerosing cholangitis
  abnormal pulmonary function in non-smokers, **A579**
  children, gamma delta + T clones, cytotoxicity, liver target cells, **A839**
  HLA DR-DQ haplotypes, **A839**
  oligonucleotide DNA typing analysis of HLA DRB3 locus, **A839**
  prevalence of anti-neutrophil antibody, using alkaline phosphatase technique, **A1211**
  survival and use of prognostic model, **A1249**
PRIOR A, HOUGHTON LA, and WHORWELL PJ: Anorectal physiology: the effect of acute stress, **A1248**
PROBERT CSJ, JAYANTHI V, KING K, *et al*: Epidemiology of Crohn's disease and abdominal tuberculosis in Bangladeshis and Europeans in Britain, **A1222**
  and MAYBERRY JF: Incidence of ulcerative colitis in Leicester, 1972-89, **A561**
  WICKS AC, *et al*: Abdominal tuberculosis in Indian migrants and the indigenous population in Leicester, **A1225**
Proctocolectomy, restorative
  complicated by enterocutaneous fistula, **A580**
  diet after, **A579**
  fistula complicating, **A557**
  increased intestinal transit times increase absorptive capacity, **A557**
  is loop ileostomy desirable, **A579**
  results in over 50 year age group, **A1255**
Proctography, dynamic, in constipation, **A575**
Progastrin concentrations, antral, after omeprazole, **A594**
Progesterone receptors in colorectal cancer tissue and five colon cancer cell lines, **A1239**
Proliferating cell nuclear antigen
  immunolocalisation, in Barrett's oesophagus, **A555**
  in oesophageal diseases, correlation with ligand expression, **A599**
Proliferation, colonic mucosal, in adenomas, **A560**
Proliferative assessment by computer aided image analysis, **A1238**
Proliferative compartment, gastric body, in omeprazole treated rats, **A1238**
Propulsion, and pressure activity, small intestine, relation between, **A591**
Protease-antiprotease complexes, complicated pancreatitis results in disease specific impairment of clearance, **A342**
Proteinase activity, faecal, raised values in ulcerative colitis, **A1235**
Proton pump inhibitor therapy, causing hypergastrinaemia, eradication of *H. pylori*, reduces, **A564**
PRYDE A, WILSON JA, MACINTYRE CCA, *et al*: Radial and axial asymmetry of the pharynx, **A599**
Pseudocysts, pancreatic, prediction of outcome, **A344**
Pulmonary function, abnormal, in non-smokers with ulcerative colitis and primary sclerosing cholangitis, **A579**

QUADERI MA and JEWELL DP: IgG subclasses in inflammatory bowel disease, **A1259**
QUIRKE P, DOCKEY D, TAYLOR GR, *et al*: Detection of *M. paratuberculosis* in inflammatory bowel disease, **A572**

R3 radical gastrectomy, failure in serosal positive gastric cancer, **A580**
RADEMAKER JW, McDONALD TJ, CHIBA N, *et al*: Effect of non-steroidal anti-inflammatory drug induced gastric mucosal injury on intragastric pH and gastrin profiles in healthy volunteers, **A1221**
Radial and axial asymmetry of the pharynx, **A599**
Radioimmunolocalisation, as a feasible technique for intraoperative detection of colorectal cancer deposits, **A1218**
Radiotherapy
  external, beam and Nd:YAG laser phototherapy combined, advanced malignant dysphagia, **A555**
  targeted internal, in liver metastases, lipiodol as vehicle, **A1240**
RAIMES SA, CHUNG CC, LEUNG JWC, *et al*: Duodenal ulcer bleeding and perforation – implications for long term management, **A583**
  CHUNG SCC, McGUIRE L, *et al*: Failure of R3 radical gastrectomy in serosa positive gastric cancer, **A580**
RAIMUNDO AH, ROGERS J, FIELDEN P, *et al*: Is there a cephalic phase for pancreatic enzyme secretion in humans? **A1244**
  MISIEWICZ JJ, *et al*: Effect of cephalic stimulation on human small bowel motility and intestinal flows, **A590**
RAJGOPAL C and PALMER KR: Why does endoscopic injection therapy for bleeding peptic ulcer sometimes fail? **A1226**
RAJQOPAL C, PALMER KR, and AMIN AI: Healing after endoscopic injection therapy for bleeding peptic ulcer, **A586**
Ranitidine
  bismuth citrate, evaluated for gastric properties, **A1227**
  but not gastritis or female sex reduces first pass metabolism of ethanol, **A594**
  gastrojet infusion, and intraduodenal nutrition, prophylaxis for stress ulceration? **A1221**
  no effect on alcohol absorption in healthy volunteers, **A595**
  therapy, duodenal ulceration, silent and deadly, **A584**
RAO KJM, VARGHESE M, BLAKE H, *et al*: Endoscopic biliary stenting in a district general hospital, **A586**
Rapid eye movement/non-rapid eye movement sleep activity, and late meal, **A1248**
Ras oncogenes, in hepatocarcinogenesis, mutational activation, **A838**
Rectum(al)
  bleeding, severe, embolisation of superior haemorrhoidal artery, **A1254**
  cancer, total mesorectal excision and local recurrence, **A1234**
  contraction during defecation? **A1256**
  polyp progression, and ileorectal anastomosis in familial adenomatous polyposis, **A1203**
  pressure waves, high, rectal prolapse, and sphincter inhibition, **A1235**
  prolapse, Delormes procedure, **A1255**
    perineal excision, minimal invasion to improve function, **A558**
Redox potential in lower human oesophagus, **A585**
REECE AS, TAN KC, MELI-VERGANI G, *et al*: Graft versus host disease after reduced size orthotopic liver transplantation, **A597**
Reflux oesophageal strictures, and reduced sensitivity to acid, **A586**
Reflux oesophagitis, influence of hiatal hernia, treatment results, **A1213**
Rehydration fluids, polymeric oral, efficacy, in rotavirus diarrhoea, **A563**
Relaxation, gastric, responses to distension and feeding, measurement, **A1215**
Renal function, impaired, in elderly with extrahepatic biliary obstruction, **A1253**

Renal haemodynamics, alterations predict hepatic micrometastases, **A1241**
Renal toxicity tests, in quiescent colitis, **A562**
Reperfusion
of ischaemic small intestine, aprotinin in cell loss protection, **A1225**
and severe haemorrhage, effects on blood flow and portal pressure, **A553**
Reticuloendothelial system stimulators, implications, adjuvant treatment, **A1256**
REUMAUX D, COLOMBEL JF, CORTOT A, *et al*: Anti-neutrophil cytoplasmic autoantibodies directed against cathepsin G in sera from patients with inflammatory bowel disease, **A1218**
RHODES M, LAVELLE-JONES M, CARLSON G, *et al*: Cholecystectomy – a rare occurrence after endoscopic removal of common bile duct stones, **A1226**
and VENABLES CW: Gall stones – a disease of non-smokers? **A600**
RIGG J, WATT T, TWEEDLE DEF, *et al*: Abolition of hypoxia during endoscopic retrograde cholangiopancreatography with preoxygenation, **A567**
RILEY SA, LLOYD D, and MANI V: Renal toxicity tests in patients with quiescent colitis, **A562**
TAVARES IA, BENNETT A, *et al*: Does prolonged colonic transit impair the efficacy of oral 5-aminosalicylic acid formulations? **A556**
RITCHIE AJ, JOHNSTON CF, McGUIGAN J, *et al*: Differential endocrinology of intestinal and gastric type Barrett's oesophagus, **A1205**
ROBERTS JP, BENSON M, WOODS WW, *et al*: Return of colonic motility after sigmoid colectomy using an ambulatory technique, **A1215**
ROBERTS SK, YOUNG GP, and HENDERSON R: Iron status modulates heme uptake by small intestine, **A1223**
ROBERTSON JF, WATSON SA, and HARDCASTLE JD: Endocrine sensitivity of the human pancreatic tumour cell line, **A583**
ROBINSON GC, SHIELD MJ, FENN GC: Misoprostol *versus* placebo in prevention of recurrence of acute upper gastrointestinal haemorrhage: a randomised double blind study, **A572**
ROGERS J, RAIMUNDO AH, WILLIAMS SA, *et al*: Gastric distension alone plays no part in the gastric phase of the colonic pressure response to food, **A562**
ROMANELLO LMF, TRONCON LEA, ZUCOLOTO S, *et al*: Effect of destruction of myenteric neurons of rat stomach by benzalkonium chloride on gastric acid secretion and gastrin release, **A594**
Rotavirus infection
food allergen, IgE production, **A1260**
neonatal, transient precocious sucrase activity, **A1231**
ROWAN B, GLEESON D, SMITH A, *et al*: Hepatitis C in chronic active hepatitis and primary biliary cirrhosis in the UK – aetiological agent or artefact? **A554**
RUSSELL RCG and THEIS BA: Outcome of surgical management of patients with benign pancreatic disease, **A344**
RUTTER PC, HITTINGER R, ALDRIDGE M, *et al*: Impact of endoscopic retrograde cholangiopancreatography on the incidence of acute pancreatitis in west London, **A1243**
RYDER SD, ECCLESTON D, HAGANNI M, *et al*: Mitogenic response of normal colonic epithelium to peanut lectin correlates with lectin histochemistry, **559**

SALEEBY G, HOWDEN CW, and HOLT S: Patient understanding of non-steroidal anti-inflammatory drugs and ulcer complications: a need for improvement, **A1220**
Salivary bicarbonate response to intraoesophageal acidification, **A1212**
SALLIE R, TIBBS C, RAYNER A, *et al*: Hepatitis C in patients with chronic liver disease, **A840**
Salt supplements, oral, to compensate for jejunostomy losses, **A1242**
SAMSON HJ, ALLEN A, PEARSON JP, *et al*: Faecal proteinase activity; raised values in patients with ulcerative colitis, **A1235**
SANDERSON JD, MOSS M, MALIK Z, *et al*: Polymerase chain reaction detects *M. paratuberculosis* in Crohn's disease tissue extracts, **A572**
Sandostatin in long term management of portal hypertension, **A838**
SANDRAGESARAN K and JONES BJM: Chronic diarrhoea, bile salt malabsorption, and previous enteric infection, **A566**
SANKEY EA, MORE L, DHILLON AP, *et al*: Microvascular injury associated with superficial mucosal lesions in Crohn's disease, **A592**
SARGEANT IR, LOIZOU LA, GRIGG D, *et al*: Endoscopic Nd-YAG laser ablation of bleeding vascular malformations in the upper gastrointestinal tract: a long term follow up, **A586**
TOBIAS J, *et al*: Combined Nd:YAG laser phototherapy and external beam radiotherapy for the palliation of advanced malignant dysphagia, **A555**
SARIN S and BOULOS PB: Likelihood of recurrence after an acute complication of diverticular disease, **A1218**
SATHANANTHAN N, MURFITT J, FAWCETT H, *et al*: Comparison of radiological and endoscopic methods for percutaneous gastrostomy and jejunostomy, **A1242**
SAUNDERS JH and WILSON RG: Laparoscopic cholecystectomy – the results in an unselected series of 100 patients, **A568**
SAUNDERS MP, FILIPE MI, and JOURDAN MH: Immunohistochemical evaluation of altered epithelial cell proliferation in patients with chronic ulcerative colitis, **A588**
SCHMUELI E, MYSZOR MF, BURKE D, *et al*: The shadow at the end of the tunnel: limitations of laser treatment for malignant dysphagia, **A1226**
SCHOFIELD D, HADLEY H, NEVALAINEN T, *et al*: Oxygen free radicals do not activate zymogens of rat pancreatic juice, **A342**
SCHÖNFELD JV, MULLER MK, RUNZI M, *et al*: Effect of pancreastatin on insulin release and secretin stimulated exocrine pancreatic secretion, **A1243**
SCHURER-MALY C-C, HALTER F, URWYLER A, *et al*: Cytokines: mediators of intestinal epithelial cell growth, **A574**
Sclerosing cholangitis, primary, *see* Primary sclerosing cholangitis
Sclerotherapy of oesophageal varices
and dilatation, overnight stay or same day discharge, **A598**
and enalapril, **A1227**
SCOTT N, JACKSON P, and FINAN PJ: Total mesorectal excision and local recurrence: a study of tumour spread in the mesorectum distal to rectal cancer, **A1234**
SAGAR P, STEWART J, *et al*: P53 and the adenoma-carcinoma sequence, **A1203**
SCOTT P, BRUCE C, SCHOFIELD D, *et al*: Serum vitamin C in patients with acute pancreatitis, **A583**
SCRIVEN MW, BURGESS NA, EDWARDS A, *et al*: Are cholecystectomy patients 'satisfied? **A1244**
STEWART JCM, HORROBIN DF, *et al*: Plasma fatty acids change after cholecystectomy, **A1251**
SELDEN C, DING SF, HABIB N, *et al*: Expression of hepatocyte growth factor associated with hepatocellular cancer, **A576**
Selenium, effect on colonic cell proliferation in adenomatous polyps, **A1235**
Sepsis, altered lymphocytes early in acute pancreatitis, **A1258**
Severe combined immunodeficiency, human reconstituted, mouse model, **A343**
Sexual dysfunction among women with Crohn's disease, **A1234**
SHAHRIER M, SMITH MW, FARTHING MJG, *et al*: Transient precocious sucrase activity in rotavirus infected neonatal rats, **A1231**
SHARP J, LOGAN RPH, WALKER MM, *et al*: Effect of omeprazole in *H. pylori*, **A565**
SHEARER MG and IMRIE CW: Can the outcome of pancreatic pseudocysts (PC) be predicted? **A344**
Shigellosis, serum interleukin 6 a marker for severity, **A588**
Short bowel syndrome
disturbed gastric emptying, **A596**
and somatostatin, **A1244**
SIDEBOTHAM RL, DHIR NK, HOUGH L, *et al*: Changes to mucus glycoproteins in gastric cancer, **A1237**
Sigmoid colectomy using ambulatory technique, return of colonic motility after, **A1215**
SIMMONDS NJ, ALLEN RE, STEVENS TRJ, *et al*: Colorectal mucosa in inflammatory bowel disease produces reactive oxygen metabolites, principally hypochlorite, **A589**
SIMPSON KJ, VENKATESAN S, BRINDLEY DN, *et al*: Activity and subcellular distribution of hepatic phosphatidate phosphohydronase (EC3.1.3.4) in alcoholic fatty liver, **A838**
SINGH P, ADAMOPOULOS A, TAYLOR RH, *et al*: Oesophageal acid clearance before and after healing of oesophagitis, **A1213**
Oesophageal transit before and after healing of oesophagitis, **A585**
Results of simultaneous two level oesophageal pH monitoring in patients with gastro-oesophageal reflux disease and controls, **A1214**
SINGH S, SHORROCK CJ, SHEPPARD MC, *et al*: mRNA for oestrogen receptor in the large bowel and large bowel tumours, **A560**
Small bowel
disease, low plasma cystine is a sensitive indicator, **A1224**
enteroscopy, in undiagnosed gastrointestinal blood loss, **A566**
with water insufflation, the first 80 cases, **A1226**
motility, and intestinal flows, effect of cephalic stimulation, **A590**
proximal, assessment of cisapride, ambulatory manometry, **A591**
transplantation, potential method of reducing GVH reactivity, **A1222**
ultrasound to detect Crohn's disease, **A596**
Small intestine (intestinal)
bacterial overgrowth in the elderly, incidental finding, **A596**
function, vitamin E deficiency and lipid peroxidation, Wistar rat, **A1232**
permeability, in HIV positive patients, **A597**
relations between propulsion and pressure activity, **A591**
satiety, fat, lower caloric threshold than carbohydrate or protein, **A1228**
transplant infiltration, **A596**
SMART HL and TRIGER DR: Natural history of anorectal varices, **A597**
SMITH D, WALDRON B, and CAMPBELL FC: The response of the human migrating motor complex to fasting gas and secretion, **A1215**
STOREY BE, *et al*: Development and validation of a microcomputer technique for analysis of gastric and small bowel manometry (fasting and fed state), **A1216**
SMITH M, PILLAY DR, CHARMAN D, *et al*: Surveillance for cytomegalovirus infection using culture techniques in liver transplant recipients, **A1250**
SMITHSON J and GAZZARD BG: Intralesional treatment of idiopathic oesophageal ulcers in AIDS, **A1213**

Smoking
and alcohol, in Barrett's columnar lined oesophagus, **A1205**
and depression of salivary epidermal growth factor, **A556**
and pouchitis, **A1254**
SOBALA GM, KING RFG, AXON ATR, *et al*: Intestinal metaplasia: relation to atrophy and bile reflux, **A590**
Sodium dependent glucose uptake, effects of fasting and semistarvation, **A1223**
Sodium sulphate, mechanical bowel preparation, compared with picolax, **A577**
Somatostatin
analogues, effect on gastric carcinoma cell proliferation, **A590**
RC-160, in reversal of TGF alpha stimulated pancreatic cancer growth in vivo, **A1243**
in treatment of advanced exocrine pancreatic cancer, **A342**
and clonidine inhibit Cl secretion in colonic cell line, **A578**
concentrations, antral and fundic, effect of circulating gastrin, rats, **A1236**
receptor affinity and specific binding in human gastric mucosa, effects of ionic concentration, **A581**
in short bowel syndrome, **A1244**
Sonde enteroscopy, in small bowel Crohn's disease, **A1232**
Soybean lectin, effect on pancreatic secretion and plasma cholecystokinin, **A1247**
SPEAKMAN CTM and KAMM MA: Abnormal visceral autonomic sensation in neurogenic faecal incontinence, **A574**
Specific microparticles in gut tissue, in Crohn's disease initiation, **A572**
Sphincter of Oddi
function, effect of nicardipine and ceruletide, **A569**
manometry, in gastrointestinal endoscopy units, **A569**
SPIGELMAN AD, SCATES DK, VENITT S, *et al*: Bile and DNA damage in an animal model, **A1240**
Spina bifida occulta, and constipation due to outlet obstruction, **A574**
Spinal bone loss, in inflammatory bowel disease, **A1223**
Spleen preserving distal pancreatectomy for pancreatic disease, **A344**
STABILE G, KAMM MA, HAWLEY PR, *et al*: Alternative surgery for idiopathic megarectum and megacolon, **A575**
Stapling
and adherence of colorectal cancer cells to suture materials, **A559**
vertical gastric, without a band, for morbid obesity, **A1229**
STEELE PA and COSTA M: Opioid immunoreactivity in myenteric neurons of the guinea pig small intestine, **A1223**
STEELE RJC, LEDINGHAM S, IFTIKHAR SY, *et al*: Redox potential in the lower human oesophagus, **A585**
PARK K, and GILBERT F: Prediction of common bile duct stones: the importance of ultrasonic duct visualisation, **A1253**
Stenting, endoscopic biliary, district general hospital, **A586**
STEPHENSON BM, MURDAY VA, BISHOP DT, *et al*: Endoscopic screening for colorectal neoplasia in the first degree relatives of patients with colorectal cancer, **A1232**
STEVENS TRJ and RAMPTON DS: Antiendothelial cell antibodies in inflammatory bowel disease: are they related to vascular injury? **A1209**
SMITH SF, SMITH T, *et al*: Lipocortin-1 antibodies in inflammatory bowel disease, **A561**
Stoma anxieties of Asian and European patients, **A579**
Stomach alcohol dehydrogenase activity, effects of cimetidine, **A594**
Strain gauge assembly and perfused catheter compared, in pharyngo-oesophageal pressure measurement, **A1216**
Stress, acute, effect on anorectal physiology, **A1248**
STUART ET, BLUMGART LH, GASSEL J, *et al*: Effect of transplantation and chemical denervation of the liver of liver blood flow in the rat, **A577**
STURGESS RP, SPENCER J, HUNG C-H, *et al*: Effects of interferon-gamma and tumour necrosis factor alpha on HLA class II expression on jejunal mucosal biopsy specimens cultured in vitro, **A573**
STURNIIOLO GC, LECIS PE, MONTINO MC, *et al*: Trace elements in ulcerative colitis mucosa: role of inflammation, **A561**
Sucrase activity, in rotavirus infected neonatal rats, **A1231**
SULLIVAN PB, BRUETON MJ, TABAR ZB, *et al*: Therapeutic use of epidermal growth factor in necrotising enteritis, **A1231**
Sulphasalazine
and balsalazide compared, in ulcerative colitis,
in acute relapse, **A1217**
in initial management, **A1217**
effect on alpha1 acid glycoprotein synthesis in vitro, **A589**
in inhibition of leukocyte adhesion molecule expression, **A1228**
Superior haemorrhoidal artery, embolisation, for severe rectal bleeding, **A1254**
Superior mesenteric artery blood flow, and cardiac output, postprandial, **A566**
Sutures
in anastomotic cancer, importance, **A1220**
materials, adherence of colorectal cancer cells, and stapling safety, **A559**
SV40 T antigen allows cell division resumption in small intestinal villus, **A1238**
SVOBODA P and OCHMANN J: Enalapril and sclerotherapy of oesophageal varices, **A1227**
SWIFT GL, ALBAN-DAVIES J, McKIRDY H, *et al*: Long term clinical review of patients with oesophageal pain, **A599**
and RHODES J: Review of NSAIDs in general practice, **A1217**
SWIFT RI, THOMAS M, GAER J, *et al*: In vitro and in vivo characteristics of tumour activated killer lymphocytes in colorectal cancer, **A1204**
Sydney classification of gastritis, endoscopist's view, **A586**

T cell antigen receptor Vy gene usage of T cell clones, autoimmune liver disease, **A839**
T lymphocytes, *see* T cells
TABBA MG, DIXON MF, and AXON ATR: Epithelial cell height in normal subjects and in patients with coeliac disease, **A574**
TAHA AS, ANGERSON W, BEEKMAN H, *et al*: Gastric and duodenal mucosal blood flow in patients receiving NSAIDs – influence of age, smoking, ulceration and *H. pylori*, **A1221**
MORRAN C, HUDSON N, *et al*: Arthritic joint dysfunction as a predictor of NSAID peptic ulceration, **A1221**
STURROCK RD, CAPELL H, *et al*: Does gold therapy reduce NSAID peptic damage in rheumatoid arthritis? **A571**
TAHA SD, NAKSHABENDI I, BOOTHMAN P, *et al*: Chemical gastritis and *H. pylori* in patients receiving NSAIDs – correlation with peptic ulceration, **A563**
TALLEY NJ, WEAVER A, ZINSMEISTER AR, *et al*: Incidence and disappearance of functional gastrointestinal disorders, **A1249**
TAN KC, MODRAGON R, YACOUB M, *et al*: Combined heart-liver transplant in a patient with familial hypercholesterolaemia, **A598**
TAYLOR CJ and BONHAM JR: Pancreatitis: a late manifestation of inborn errors of metabolism, **A343**
Tc albumin microspheres, novel method of determining portal systemic shunting, **A553**
^{99m}Tc-HMPAO labelled leucocyte scans, in IBD, **A562**
TEAHON K, SMITH T, and BJARNASON I: Localisation of increased intestinal permeability in coeliac and Crohn's diseases, **A1224**
TEARE JP, CARMICHAEL AJ, BURNETT F, *et al*: Detection of antibodies to acetaldehyde-albumin conjugates in alcoholic liver disease, **A576**
Teeth, predisposition to duodenal ulcer relapse, investigation, **A1207**
Tenascin and fibronectin in Hirschsprung's disease, immunohistochemistry, **A1233**
THILLAINAYAGAM AV, DIAS JA, SALIM AFM, *et al*: Optimising the efficacy of polymeric oral rehydration solutions: studies in a model of rotavirus diarrhoea, **A563**
SCHIRGIDEGEN A, *et al*: A potential role for 5-hydroxytryptamine in mediating cholera toxin induced secretion in man, **A591**
THOMAS JE, DOWNES RB, LUNN PG, *et al*: Seroepidemiology of *H. pylori* infection in early childhood, **A1231**
THOMAS MG, BINDERUP L, TEBBUT S, *et al*: Vitamin D and its analogue MC-903 inhibit cell proliferation in human colorectal tissue, **A1219**
GULLICK WJ, TEBBUT S, *et al*: Epidermal growth factor stimulates rectal proliferation in familial adenomatous polyposis, **A1219**
THOMPSON MR, LEOPOLD PW, and JACKSON S: Delormes procedure for rectal prolapse – a consecutive unselected series, **A1255**
Thoracoscopic enucleation of leiomyoma of the oesophagus, **A1213**
THORNTON JR, LOBO AL, LINTOTT DJ, *et al*: Is your endoscopic retrograde cholangiopancreatographic examination really necessary? **A586**
THORPE AC, BADENOCH DF, and WILLIAMS NS: Pelvic floor causes of obstructed micturition in women, **A562**
EVANS R, and WILLIAMS NS: Spina bifida occulta: is it of any relevance in the pathophysiology of constipation due to outlet obstruction, **A574**
Thrombogenesis, accelerated, in Crohn's disease, evidence, **A581**
Thrombophlebitis, peripheral parenteral nutrition related, prophylactic felbinac gel, **A1242**
Thromboxane B2, raised rectal values after pelvic radiotherapy, **A1205**
TIGHE MR, HALL MA, CARDI E, *et al*: Coeliac disease is primarily associated with the DQA1*0501 DQB1*0201 heterodimer, **A1222**
Tight junctional permeability, cyclosporin increases, rat liver, **A1249**
Tin-protoporphyrin combined with haem arginate, improved treatment for acute hepatic porphyria, **A597**
Tissue damage and zymogen activation, in acute pancreatitis, correlation, **A342**
Tissue inhibitor of metalloproteinases, in colorectal tumour invasion, **A560**
Tobramycin, oral, in ulcerative colitis, effect on maintenance of remission, **A578**
TOCCHI A, BASSO L, COSTA G, *et al*: Qualitative analuysis of bile in patients with colorectal cancer, **A1255**
LEPRE L, *et al*: Impact of technology on outcome in pancreatic cancer patients, **A582**
Total mesorectal excision and local recurrence, study of tumour spread in mesorectum distal to rectal cancer, **A1234**
Toxin enhancement in detection of verocytotoxin producing *E. coli*, **A592**
Trace elements, in ulcerative colitis mucosa, role of inflammation, **A561**
Transforming growth factor alpha
expression, in normal and abnormal gastric epithelium, **A1237**

vertical and longitudinal gradients, and differentiation programmes in rat colon, **A1238**
stimulated pancreatic cancer growth, reversal by RC-160, **A1243**
trophic to pancreatic cancer in vivo, **A558**
Transit and capacitance, in carcinoid diarrhoea, **A1215**
Transit time, orocaecal, measurement by new ferromagnetic technique, **A1215**
TRAVIS SPL, CROTTY B, and JEWELL DP: Site of platelet activating factor action on colonic mucosa, **A1234**
and JEWELL DP: Colonic ion transport and platelet activating factor, **A1238**
Regional differences in colonic permeability, **A1234**
Trefoil gene expression is induced in cells, Crohn's disease, **A1208**
TREGASKIS B, NAIR P, CHUAH Y, *et al*: Open access endoscopy for acute dysphagia in Leicestershire, **A1212**
TREVETHICK MA, CLAYTON N, STRONG P, *et al*: Indomethacin induced small intestinal damage in rats resembles NSAID induced enteropathy of the human small intestine, **A1224**
TRONCON L, THOMPSON DG, AHLUWALIA N, *et al*: Intragastric lipid administration dose dependently increases gastric compliance responses to distension, **A1229**
Tuberous sclerosis, common cause of multiple rectal polyps, **A1218**
Tumour activated killer lymphocytes, in colorectal cancer, **A1204**
Tumour destruction in gastroenterology, use of microwaves, **A1227**
Tumour necrosis factor
during recombinant alpha interferon treatment, **A1230**
effect on hexosaminidase, **A1258**
Tumour necrosis factor alpha
effects on HLA class II expression on jejunal mucosal biopsy, **A573**
serum, prognostic value in severe acute pancreatitis, plasma infusion, **A342**
TZATHAS H, SPRINGETT PM, and ISAACS PET: Oesophageal function assessed by endoscopic video recording, **A1212**

UFF CR, YIU CY, BOULOS PB, *et al*: Adherence of colorectal cancer cells to suture materials – is stapling safe? **A559**
Ulcer complications with NSAIDs, need for improved understanding, **A1220**
Ulcerative colitis
abnormal pulmonary function in non-smokers, **A579**
active, increased expression of cell adhesion molecules, **A1209**
acute relapse, high dose balsalazide and sulphasalazine compared, **A1217**
chronic, altered epithelial cell proliferation, immunohistochemistry, **A588**
colitis in cotton top tamarin as model, **A1258**
and defunctioned rectum, source of diagnostic confusion, **A561**
distal, evidence of abnormal mucosal immunity in proximal colon, **A593**
high dose balsalazide or sulphasalazine in initial management, **A1217**
and HSP-60, **A589**
importance of mild dysplasia in surveillance, **A556**
improved remission maintenance by balsalazide, **A1217**
incidence, Leicester, 1972-89, **A561**
inflammatory mediators, interactions and secretory effects, **A588**
mucosa, and trace elements, role of inflammation, **A561**
oral tobramycin, effect on maintenance of remission, **A578**
peripheral blood monocyte cytokine profiles, **A593**
prednisolone versus fluticasone propionate, **A560**
prevalence of antineutrophil antibody, using alkaline phosphatase, **A1211**
protection, and betelnut chewing, Asians, **A560**
raised values of faecal proteinase activity, **A1235**
twelve years of surveillance colonoscopy, **A561**
Ulcerative proctocolitis, trial of essential fatty acids treatment, **A592**
Ultrasound, biliary, in the elderly, appropriateness, **A1253**
Ultrasound guided aspiration, percutaneous, of bile for crystals, **A600**
Upper gastrointestinal tract, Nd-YAG laser ablation of bleeding, **A586**
Uraemia, 14C urea breath test and urease slide test for *H. pylori*, **A1220**
Urease test, simple, modified rapid, for detection of *H. pylori*, **A570**
Ursodeoxycholic acid
in active cirrhosis, with/without hepatitis C virus antibodies, **A1230**
in late primary biliary cirrhosis, **A1251**

VAIRA D, MIGLIOLI M, HOLTON J, *et al*: Prevalence of IgG, IgA, IgM to *H. pylori* in 1018 blood donors, **A564**
VAN DE BRUG FJ, JANSEN JBMJ, KUIJPERS IJ, *et al*: Effect of circulating gastrin on antral and fundic somatostatin concentrations in rats, **A1236**
VAN DER SIJP JRM, KAMM MA, and LENNARD-JONES JE: Simulated defaecation: demonstration of colonic peristalsis with anal relaxation and rectal contraction, **A563**
NIGHTINGALE JMD, KAMM MA, *et al*: Assessment of regional colonic transit in severe idiopathic constipation: superiority of radioisotope compared to radio-opaque markers, **A575**
Disturbed gastric emptying and small bowel transit in severe constipation, **A562**
VAN SOMEREN RNM, JACOMB-HOOD J, McGEE S, *et al*: Chest x ray in the diagnosis of iatrogenic oesophageal perforation – an audit, **A1214**
VANTINI I, CAVALLINI G, ANGELINI G, *et al*: Natural and unnatural course of chronic pancreatitis based on a long term follow up of a medical surgical series, **A1243**
VARRO A, NEMETH J, BRIDSON J, *et al*: Antral progastrin concentrations after omeprazole, **A594**
VEENENDAAL RA, BIEMOND I, PENA AS, *et al*: Serum pepsinogen A and C values before and after treatment of *H. pylori* infection, **A1207**
Verocytotoxin producing *E. coli*, toxin enhancement in detection, **A592**
Vertical gastric stapling without a band for morbid obesity, **A1229**
Video endoscopy, interobserver variability in gastric lesions, **A1256**
Villus, small intestinal, SV40 T antigen allows cell division resumption, **A1238**
Visceral autonomic sensation, abnormal, in neurogenic faecal incontinence, **A574**
Vitamin C, serum, in acute pancreatitis, **A583**
Vitamin D and its analogue MC-903 inhibit cell proliferation in colorectal tissue, **A1219**
Vitamin E
deficiency, lipid peroxidation, and small intestinal function, **A1232**
supplement, effect on colonic cell proliferation, polyps, **A1235**

WAKEFIELD AJ, MORE L, COX A, *et al*: Patterns of mucosal tissue factor expression in normal intestine and Crohn's disease, **A593**
WALT RP, COTTRELL J, MANN SG, *et al*: Randomised double blind controlled trial of intravenous famotidine infusion in 1005 patients with peptic ulcer bleeding, **A571**
WALTERS JRF, BISHOP AE, FACER P, *et al*: Calretinin and calbindin-D28k immunoreactivity in human gastrointestinal nerves and endocrine cells, **A1238**
and HOWARD A: Inhibition of plasma membrane calcium pump activity by gastrointestinal peptides, **A591**
WARDLE TD and TURNBERG LA: Interactions between platelet activating factor and eicosanoids and their effects on mucosal factors, **A1260**
Interactions and secretory effects of inflammatory mediators in ulcerative colitis, **A588**
WARHURST G, HIGGS NB, GRUNDY J, *et al*: Somatostatin and clonidine inhibit Cl secretion via G protein mediated pathways in a colonic cell line (HT29-19A), **A578**
WARREN BF and CLAPP NK: Spectrum of liver disease in cotton top tamarin colitis, **A1258**
PEARSON GR, WATKINS P, *et al*: Colitis in the cotton top tamarin – is it a model of ulcerative colitis? **A1258**
SHEPHERD NA, BARTOLO DCC, *et al*: Defunctioned rectum in ulcerative colitis – a source of diagnostic confusion, **A561**
WATANAPA P, EGAN M, DEPREZ PH, *et al*: Pancreatic adaptation to massive enterectomy is abolished by the cholecystokinin antagonist CR-1409, **A1247**
Water insufflation and small bowel enteroscopy, **A1226**
WATSON AJM, DONOWITZ M, MONTROSE MH: Regulation of Caco-2 Na+/H+ exchange by serum through a novel mechanism which is dependent on actin, **A578**
WATSON SA, ROBERTSON JF, and HARDCASTLE JD: Therapeutic effect of the gastrin receptor antagonist, CR2093, on gastrointestinal tumour cell growth, **A558**
WILKINSON L, ROBERTSON JF, *et al*: Stimulatory effect of histamine on the growth of human gastric tumour cells: reversal by cimetidine, **A589**
WEN L, DEMAINE A, WONG S, *et al*: T cell antigen receptor Vy gene usage of T cell clones derived from liver biopsy specimens of children with autoimmune liver disease, **A839**
PEAKMAN M, MOWAT AP, *et al*: gamma delta+T clones from liver biopsy specimens of children with autoimmune chronic active hepatitis and primary sclerosing cholangitis are cytotoxic to human liver target cells, **A839**
WENDON JA, SHERON N, HARRISON PM, *et al*: Correlation of cytokine values with haemodynamic and oxygen transport variables in fulminant hepatic failure, **A577**
Western blotting analysis of immune responses to *H. pylori*, **A564**
WILKINSON D, SUE-LING H, and JOHNSTON D: Vertical gastric stapling without a band for morbid obesity, **A1229**
WILKINSON ML, KATSIYIANNAKIS E, and MILLA PJ: Paediatric duodenoscopes in endoscopic retrograde cholangiopancreatography in children: indications and results, **A587**
WILLIAMS CB, GILLIES DF, and HARITSIS A: An endoscopy simulator for teaching colonoscopy, **A1232**
WILLIAMS D, THOMPSON DG, HEGGIE L, *et al*: Defining the physiological responses of the human oesophagus to distension, **A1247**
WILSON JA, PRYDE A, MACINTYRE CCA, *et al*: Comparison of a perfused catheter and a strain guage assembly in pharyngo-oesophageal pressure measurement, **A1216**
WINROW VR, STEVENS TRJ, MOJDEHI G, *et al*: The 60 kDa stress (heat shock) protein (HSP-60) in ulcerative colitis and Crohn's disease, **A589**
WINWOOD PJ, KOWALSKI-SAUNDERS PS, and ARTHUR MJP: Kupffer cells release a 95 kD metallo-proteinase with degradative activity against gelatin, **A837**
MAVROGIANNIS C, and SMITH CL: Patients with reflux oesophageal strictures have reduced sensitivity to oesophageal acid, **A586**

WODZINSKI MA, BARDHAN KD, COOPER P, *et al*: Mucosal tissue-type plasminogen activator activity in peptic ulcer disease, **A1237**
WOODMAN AC and HODGSON HJF: Effects of recombinant cytokines on EGF-induced hepatocyte DNA synthesis, **A1239**
WOODMAN AJ and HODGSON HJF: Inhibitory effects on hepatocyte DNA synthesis of conditioned medium from liver non-parenchymal cells after partial hepatectomy, **A576**
WRIGHT JW and EVANS DF: Effect of acid suppression and gender on gastric emptying using applied potential tomography, **A1237**
WRIGHT NA, POULSOM R, STAMP GWH, *et al*: Trefoil gene expression is induced in intestinal goblet and endocrine cells in Crohn's disease, **A1208**
WYNNE KS and ROYSTON CMS: Laparoscopic cholecystectomy – a comparison with open cholecystectomy, **A1251**

YAP I, GUAN R, and CHAN SH: Experience with a pre-S containing recombinant HBV vaccine: safety and immunogenicity studies, **A1229**
YATES J, NOTT DM, BILLINGTON D, *et al*: Novel method of determining portal systemic shunting using biodegradable Tc albumin microspheres, **A553**
ELLENBOGEN S, *et al*: Effects of severe haemorrhage and reperfusion on collateral blood flow and portal pressure in the cirrhotic rat, **A553**
Yeast antibodies, in Crohn's disease, **A573**

ZHU J, PACE F, SANGALETTI O, *et al*: Prevalence of hiatal hernia and its influence on gastro-oesophageal reflux and treatment response in patients with reflux oesophagitis, **A1213**
Zinc sulphate supplement modifies long chain fatty acid metabolism in Crohn's disease, **A1241**
Zymogens
activation, in immediate prognostic assessment of acute pancreatitis, **A1247**
and tissue damage, in acute pancreatitis, correlation between, **A342**
rat pancreatic juice, oxygen free radicals do not activate, **A342**